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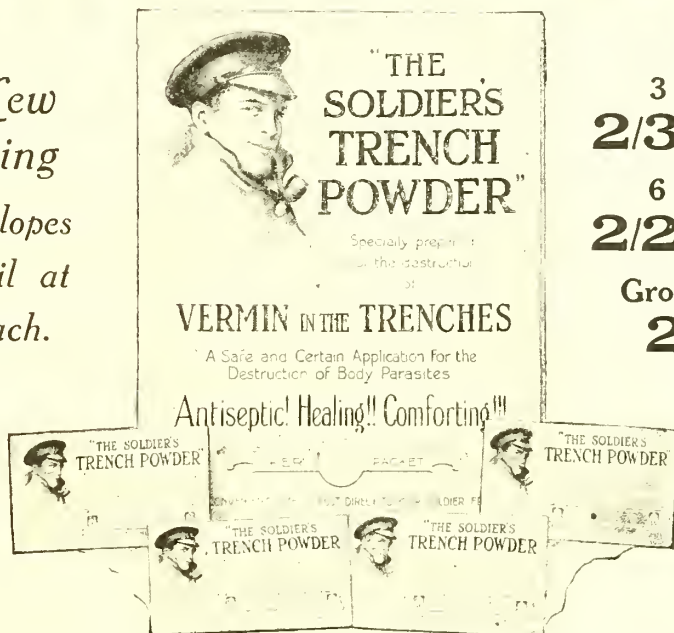
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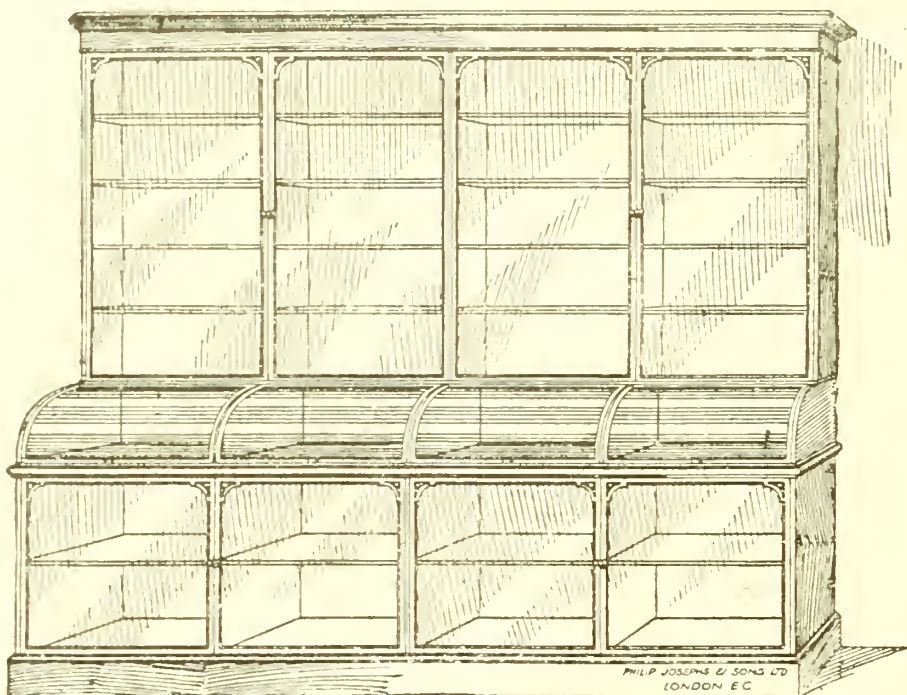
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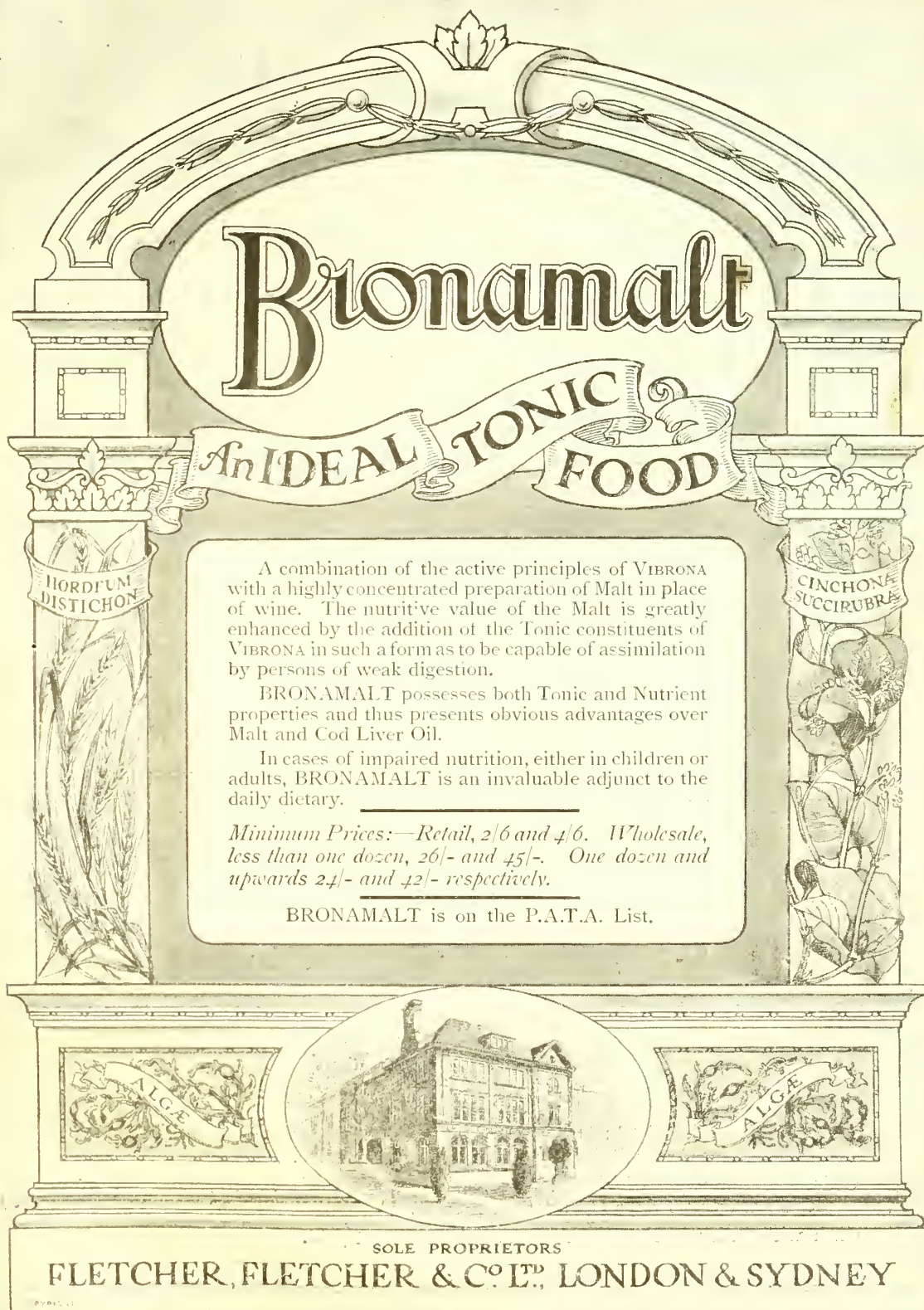
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Wright, Layman & Umney, Ltd.
- Druggists' Sundries**  
Ayrton, Saunders & Co., Ltd.  
Baiss Bros. & Stevenson, Ltd.  
Berton, Arthur, Ltd.  
Burge, Warren & Ridgley, Ltd.  
Burgoyne, Burdicks & Co.  
Rush, H. W., & Co., Ltd.  
Chemists' Sundries, Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Hoven, R. M., & Sons, Ltd.  
Longcroft, H. M.  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Newberry, F., & Sons, Ltd.  
Reuter, E. J., & Sangers  
Schutze, R. J., & Co., Ltd.  
Solport Bros.  
Southall Bros. & Barclay, Ltd.  
Swales, Thos.  
Telma Manufacturing Co.  
Toogood, W., Ltd.  
Woolley, J., Son & Co., Ltd.
- Drugs, Crude**  
Berg, V., & Sons  
Dodge & Olcott Co.  
Gathergood's Exor.  
Goodall, Backhouse & Co.  
Lambert, Saml., & Co.  
McKesson & Robbins  
Penick, S. B., & Co.  
Potter & Clarke, Ltd.  
Raines & Co.  
Webb & Horner
- Eau de Cologne**  
Bronley, H., & Co., Ltd.  
Bnsh, W. J., & Co., Ltd.  
Christy, Thos., & Co.  
Erasme Co., Ltd.  
Lescol Perfumery Co.  
Maw, S., Son & Sons  
May, Roberts & Co., Ltd.  
Sangers  
Schutze, F., & Co., Ltd.  
Vinolia Co., Ltd.
- Eau de Cologne (solid)**  
Demuth's Laboratories
- Educational Institutions**  
Bath & West of England College  
Birmingham & Midland Coll.  
British Optical Institute  
College of Preceptors  
Dawes, A. H.  
Liverpool School of Pharmacy  
London College of Pharmacy  
North of England School  
Northern College of Pharmacy  
South of England College  
Westminster College
- Effervescents**  
Preparations  
Allen & Hanbury's, Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Goodall, Backhouse & Co.
- Elastic Gum Insts.**  
Mason Bros. & Chapman
- Elastic Hosiery**  
Ayrton, Saunders & Co., Ltd.  
Bailey, W. H., & Son  
Burge, Warren & Ridgley, Ltd.  
Haywood, J. H., Ltd.  
Maw, S., Son & Sons  
Wood, Vincent
- Electrical Novelties**  
Wright, Archd. J., Ltd.
- Emery and Cloth**  
Oakley, J., & Sons, Ltd.
- Emetine Salts**  
Carnegie Bros.
- Macfarlan, J. F., & Co.**  
Walton & Sons, Ltd.
- Emulsifiers**  
Bennett, Sons & Shears, Ltd.  
Roberts' Patent Filling Machine Co.  
Wilkinson, S. W., & Co.
- Emulsions, C.I.O., &c.**  
Ayrton, Saunders & Co., Ltd.  
Baiss Bros. & Stevenson, Ltd.  
Blackie, Robert  
Browning, Wm., & Co.  
Cupal, Ltd.  
Faulding, F. H., & Co.  
Parke, Davis & Co.  
Scott & Bowne, Ltd.  
Stevenson, H. E., & Co.  
Weyles, Ltd.
- Enamelled Hospital Requisites**  
Orme, Evans & Co., Ltd.
- Endolytic Tubes**  
Fletcher, Fletcher & Co. Ltd.
- Enemas**  
Burge, Warren & Ridgley, Ltd.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Warne, W., & Co., Ltd.
- Epsom Salts**  
Howards & Sons, Ltd.  
Baker, Ltd.  
Methven, J. Son & Co., Ltd.
- Essences, Sol. and Fruit**  
Alliance Drug & Chem.  
Barnett & Foster  
Boake Roberts & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Hay, Wm., Ltd.  
London Essence Co.  
Polak & Schwarz  
Stevenson & Howell, Ltd.
- Ethers**  
Baiss Bros. & Stevenson, Ltd.  
Duncan, Flockhart & Co.  
Howards & Sons, Ltd.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Tyer, T., & Co., Ltd.  
White, A., & Sons
- Eucalyptus Oil**  
British Drug Houses, Ltd.  
Stevenson, H. E., & Co.  
Tasmanian Eucalyptus Oil Co.
- Evaporators**  
Forsbaw, E., & Son, Ltd.
- Extract of Herbs**  
Newhall & Mason  
Potter & Clarke, Ltd.
- Extracts (Medicinal)**  
Allen, Stafford, & Sons, Ltd.  
Burroughs Wellcome & Co.  
Evans Sons Lescher & Webb, Ltd.  
Gathergood's Exor.  
Hewlett, C. J., & Son, Ltd.  
Parke, Davis & Co.  
Ransom, W., & Son, Ltd.
- Factory, &c., Sites**  
Great Western Railway
- Feeding Bottles**  
Bnsh, H. W., & Co., Ltd.  
Maw, S., Son & Sons  
Schutze, F., & Co., Ltd.
- Filling Machines**  
Forrester Machinery Co., Ltd.  
Roberts' Pat. Filling Mach. Co.
- Filters**  
British Pasteur Chamberland Filter Co.
- Flycatchers**  
Alahastine Co., (British) Ltd.  
Kay Bros., Ltd.  
Smith, Jno. H., & Co.
- Foods, Invalid, &c.**  
Allen & Hanbury's, Ltd.  
Bell (John), Hills & Lucas, Ltd.  
Benzer's Food, Ltd.  
Bovril Ltd.  
Brand & Co., Ltd.  
British Milk Products Co., Ltd.  
Chymol Co.  
Deans, Logan & Co., Ltd.  
Fairchild Bros. & Foster  
Framo Food Co.  
Harker, Stage & Morgan, Ltd.  
Lorimer, John  
Lofthouse & Saltmer, Ltd.  
Natural Food Co., Ltd.  
Plasmon, Ltd.  
Sister Laura's Infant Food Co.  
Southall Bros. & Barclay, Ltd.  
Wander, A., Ltd.  
White, A. J., Ltd.  
Willows, Francis, B. & T., Ltd.  
Woolley, Jas., Son & Co., Ltd.  
Wulking, A., & Co.
- Foot Appliances**  
Scholl Mfg. Co., Ltd.
- Fruit Drink**  
McGlashan, D.
- Fuller's Earth**  
Mumford, G. S., & Sons
- Fumigators**  
Sanitas Co., Ltd.
- Galic Acid**  
Mallinckrodt Chem. Works
- Gauzes**  
Bailey, R., & Son  
Carnegie Bros.
- Gelatines**  
Crampton, J., & Co., Ltd.
- Glassware, Chemical**  
De Roubaix & Cassiers  
Lang, Jules, & Son
- Glycerin**  
Price's Patent Candle Co., Ltd.
- Glycerophosphates**  
Monanto Chemical Works  
Reitmeier, Calburn & Kindersley, Ltd.
- Grease Paints**  
Hoven, R. M., & Sons, Ltd.  
Quehel, Henry C., & Co.
- Grinders, Drag, &c.**  
Allen, Stafford, & Sons, Ltd.  
Goodall, Backhouse & Co.  
Willows, Francis, B. & T., Ltd.
- Grine Water**  
Woodward, W., Ltd.
- Gums**  
Pink, F., & Co.  
Kildston, W. M., & Co.  
Lambert, Saml., & Co.  
Welch & Horner
- Hair Dyes**  
Harker, C.R. Stage & Morgan  
Blackie, Robert
- Hair Preparations**  
Alexander, L.  
Anzora Perfumery Co.  
Blackie, Robert  
Edwards' "Harlene" Co.  
N. Verre Chemical Co.  
Sangers  
Tokalon Ltd.
- Hand Carts, Trucks, &c.**  
Crewe & Co.
- Hat Cleaners**  
Cox, Arthur H., & Co., Ltd.  
Muller's Chemical Co.
- Hat Dyes**  
Whitaker & Co.
- Heating Apparatus**  
Quadruplex, Ltd.
- Herbs**  
Brook, Parker & Co., Ltd.  
Cutter & Clarke, Ltd.  
Salle, H., & Co.
- Hexamethylenetetramine**  
Reitmeier, Calburn & Kindersley, Ltd.
- Homeopathic Medicines**  
Ashton & Parsons, Ltd.  
Keene & Ashwell, Ltd.
- Horse Remedies**  
Harvey & Co. (Dublin), Ltd.
- Hot Water Bottles**  
Bailey, W. H., & Son  
Berton, Arthur, Ltd.  
Burge, Warren & Ridgley, Ltd.  
Chemists' Sundries, Ltd.  
Galen Mfg. Co., Ltd.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Toogood, W., Ltd.  
Warne, Wm., & Son, Ltd.  
Wood, Vincent
- Hot Water Bottle Stoppers**  
Rowe, T. Wilfrid
- Hotels**  
Kingsley Hotel  
Thackeray Hotel
- Hydrogen Peroxide**  
Laporte, B., Ltd.  
May & Baker, Ltd.  
Sanitas Co., Ltd.  
Tyer, T., & Co., Ltd.
- Hypophosphites**  
May & Baker, Ltd.  
Tyer, T., & Co., Ltd.
- Ink, Dichroic**  
Bewley & Draper, Ltd.
- Insecticides**  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Hand, C., & Co., Ltd.
- Insect Powder**  
Potter & Clarke, Ltd.  
Raines & Co., Ltd.
- Iodides**  
Tyer, T., & Co., Ltd.
- Junket Powder**  
Armour & Co., Ltd.
- Lanolines**  
Christy, T., & Co.  
Corbyn, Stacey & Co., Ltd.  
Hillcrest Oil Co., Ltd.  
Howard Lloyd & Co., Ltd.
- Lard**  
Ewen, J., & Sons
- Lavender Oil**  
Allen, Stafford, & Sons, Ltd.  
Guillevic, E., & Co.  
Ransom, W., & Son, Ltd.
- Lavender Water**  
Bush, W. J., & Co., Ltd.
- Lime Juice and Cordial**  
Evans Sons Lescher & Webb, Ltd.  
Idris & Co., Ltd.
- Linseed, Crushed**  
Mumford, G. S., & Sons
- Lint**  
Liverpool Lint Co.  
Maw, S., Son & Sons  
Robinson & Sons, Ltd.  
Vernon & Co., Ltd.
- Liquorice Juice**  
Boehm, F., Ltd.  
Jackson, Ernest, & Co.  
Solazzi
- Liquors, Conc.**  
Fletcher, Fletcher & Co.
- Lithia Salts**  
British Drug Houses, Ltd.  
The  
Howards & Sons, Ltd.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.
- Loofah Socks**  
Davis, J. M., & Sons
- Loofahs**  
Hall Forster & Co., Ltd.  
Internl. Sponge Importers, Ltd.  
Solport Bros., Ltd.  
Swales, Thos.
- Lozenges**  
Crosse & Blackwell  
Denoual, Jules, & Co.  
Janes, Thos., & Co.  
Jackson, Ernest, & Co.  
Parke, Davis & Co.  
Potter & Clarke, Ltd.  
Raines & Co.  
Warwick Bros., Ltd.
- Lysols**  
Aerators, Ltd.  
Burt, Boulton & Haywood, Ltd.  
Eucryl, Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Lorimer, John  
Zimmermann, C. & Co. (Chemicals), Ltd.
- Machinery, Pharmacal**  
Allen & Hanbury's, Ltd.  
Bennett, Sons & Shears, Ltd.  
Blair, Campbell & McLean, Ltd.  
Forgrove Machinery Co., Ltd.  
Gardner, Wm., & Sons, Ltd.  
Griffin, John J., & Sons, Ltd.  
Jackson, J. C., Ltd.  
Pindar, J. W., & Co.  
Stokes, F. J., Machine Co.  
Thompson & Capper, Ltd.  
Wilkinson, S. W., & Co.
- Magnesia Preps.**  
Henry, T., & W.  
Howards & Sons, Ltd.  
International Chem. Co., Ltd.  
Phillips, Chas. H., Chem. Co.  
Washington Chemical Co., Ltd.
- Malt Extract and Preps.**  
Allen & Hanbury's, Ltd.  
Blackie, Robert  
British Drug Houses, Ltd.  
The  
Burgoyne, Burdicks & Co.  
Calder, James, & Co., Ltd.  
Calder's Yeast Co., Ltd.  
Corbyn, Stacey & Co., Ltd.  
Davies, Sons & Co.  
Evans Sons Lescher & Webb, Ltd.  
Fletcher, Fletcher & Co., Ltd.  
May, Roberts & Co., Ltd.  
Oppenheimer, Son & Co., Ltd.  
Paine & Co., Ltd.  
Pessall, James, Ltd.  
Tolkein, C., Ltd.  
Wander, A., Ltd.  
Weyles, Ltd.
- Marking Ink**  
John Bond ("Crystal Palace")
- Measures, Graduated**  
Bnsh, H. W., & Co., Ltd.
- Meat Extracts**  
Armour & Co., Ltd.  
Bovril, Ltd.  
Brand & Co., Ltd.
- Mercurials**  
Alliance Drug & Chemical Co.  
Howards & Sons, Ltd.  
May & Baker, Ltd.  
Tyer, T., & Co., Ltd.
- Methylated Spirit**  
Burrough, J., Ltd.  
Preston's Liverpool Distillery  
Randall & Son, Ltd.  
Thornley, Samuel, Ltd.
- Mineral Waters**  
Cavall, Ltd.  
Cheltenham Mineral Water Co.  
Idris & Co., Ltd.  
Ingram & Royle, Ltd.  
Norske Mineralkilder
- Mixers and Sifters**  
Gardner Wm. & Sons (Glos.) Ltd.  
Stokes, F. J., Machine Co.
- Naphthalene**  
Burt, Boulton & Haywood, Ltd.
- Night Lights**  
Price's Patent Candle Co., Ltd.
- Oils, Essential**  
Allen, Stafford, & Sons, Ltd.  
Alliance Drug & Chemical Co.  
Arthur & Co.  
Boake Roberts & Co., Ltd.  
Boehm, F., Ltd.  
Bush, W. J., & Co., Ltd.  
Dodge & Olcott Co.  
Evans Sons, Lecher & Webb  
Evans Sons Lescher & Webb, Ltd.  
Fuerst Bros.  
Guillevic, E., & Co.  
Lambert, Saml., & Co.  
Lane, Hall, B., & Co.  
London Essence Co.  
Magnus, Mahees Reynard Inc.  
Naef, M., & Co.  
Polak & Schwarz  
Ransom, W., & Son, Ltd.  
Stevenson & Howell, Ltd.  
Verona Chemical Co.  
Welch & Horner  
Wiener, R. O., & Umney  
Wright, Layman & Umney  
Zimmermann, C. & Co., Ltd.
- Oils, Mineral, Fatty, &c.**  
Allen, Stafford, & Sons, Ltd.  
Boehm, F., Ltd.  
Hertz & Co.  
Price's Patent Candle Co., Ltd.  
Stern Sonneborn Oil Co., Ltd.
- Ointments**  
Blackie, Robert & Burgess, E.  
Charleston & Co.  
Mentholatum Co.  
Oldfield, Pattinson & Co.  
Peat Products (Sphagnum) Ltd.
- Olive Oil**  
Farris, Charles  
Ferrer, J., & Co.  
Guillevic, E., & Co.
- Opium Preparations**  
Farris & Co., Ltd.  
Oldfield, Pattinson & Co.
- Optical Goods**  
Darton, F., & Son  
Maw, S., Son & Sons  
Nitsche & Gunther Optical Co., Ltd.  
Standard Optical Co., Ltd.
- Optical Tuition**  
British Optical Institute  
College of Optics
- Orange and Quinine Wine**  
Hobson, Joseph, & Son  
Idris & Co., Ltd.  
Miller, A., & Co., Ltd.  
Robinson, B., & Co., Ltd.
- Organic Solvents**  
Hopkin & Williams, Ltd.
- Organo-Therapeutic Preps.**  
Armour & Co., Ltd.  
British Organotherapy Co., Ltd.  
Digestive Ferments Co.  
Duncan, Flockhart & Co.
- Otto Rose**  
Guillevic, E., & Co.  
Shippell & Co.  
Zimmermann, C., & Co., Ltd.
- Otto Rose (Synth.)**  
Bush, W. J., & Co., Ltd.  
Guillevic, E., & Co.  
Kerfoot, Thos., & Co.  
Polak & Schwarz  
Stevenson & Howell, Ltd.  
Stevenson, H. E., & Co.  
Warwick Bros., Ltd.  
Wright, Layman & Umney, Ltd.
- Oxygen Baths**  
Wright & Co.
- Palatinoids**  
Oppenheimer, Son & Co., Ltd.
- Paper Handkerchiefs**  
Tolnoce Handkerchief Co., Ltd.
- Paradum Liquidum**  
Benjamin & Co.  
Browning, A. M., & Co.  
Caneborough Mfg. Co.  
Farris, Charles  
Snowdon, Sons & Co., Ltd.  
Stern Sonneborn Oil Co., Ltd.  
Wiener, R. O., & Co.
- Pastilles**  
Allen & Hanbury's, Ltd.  
Burroughs Wellcome & Co.  
Demuth's Laboratories  
Evans Sons, Lecher & Webb  
Gnest, Thos., & Co.  
Kerfoot, Thomas, & Co.  
Wander, A., Ltd.  
Warwick Bros., Ltd.
- Patent Agents**  
Barker, R. W.  
Raworth, John E.
- Peppermint Oil**  
Allen, Stafford, & Sons, Ltd.  
Bush, W. J., & Co., Ltd.  
Dodge & Olcott Co.  
Ransom, W., & Son, Ltd.  
Rind, F. M.  
Stevenson & Howell, Ltd.
- Pepsine**  
Digestive Ferments Co.  
Green, E. W., & Co.
- Peptone**  
Armour & Co., Ltd.  
Digestive Ferments Co.  
Fairchild Bros. & Foster
- Perfume Materials**  
Rush, W. J., & Co., Ltd.  
Fuerst Bros.  
Guillevic, E., & Co.  
Kerfoot, T., & Co.  
Lane, Hall, B., & Co.  
Naef, M., & Co., Sucers.  
Polak & Schwarz  
Salle, H., & Co.  
Stevenson & Howell, Ltd.  
Wright, Layman & Umney, Ltd.  
Zimmermann, C. & Co., Ltd.
- Perfumes**  
Allen & Hanbury's, Ltd.  
Baiss Bros. & Stevenson, Ltd.  
British Drug Houses, Ltd.  
The  
Bronley, H., & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Christy, T., & Co.  
Demuth's Laboratories  
Erasme Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Lescol Perfumery Co.  
Lorimer, John  
Piver, L. T., & Cie  
Potter & Clarke, Ltd.
- Price's Co., Ltd.**  
Quelch, H. C., & Co. | Bigand  
Shirley Bros., Ltd.  
Southall Bros. & Barclay, Ltd.  
Tozana Perfumery Co.  
Vinolia Co., Ltd.  
Warwick Bros., Ltd.  
West, T., & Son
- Perles**  
Tye, John, & Son
- Pessaries (Soluble)**  
Burge, Warren & Ridgley, Ltd.  
Bendell, W. J.
- Petroleum Jelly**  
Cheshbrough Mfg. Co.  
Kinston, W. M., & Co.  
Meade-King, Robinson & Co.  
Stern Sonneborn Oil Co., Ltd.  
Wiener, R. O., & Co.
- Phenacetin**  
Greiff, R. W., & Co.  
Monanto Chemical Works  
Reitmeier, Calburn & Kindersley, Ltd.
- Phosphors and Preps.**  
May & Baker, Ltd.  
Tyer, T., & Co., Ltd.
- Photo. Chemicals**  
Greiff, R. W., & Co.  
Lane, Hall, B., & Co.  
Reitmeier, Calburn & Kindersley, Ltd.
- Photo. Goods**  
Ayrton, Saunders & Co., Ltd.  
Burroughs Wellcome & Co.  
Butcher, W., & Sons, Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Kent, G. B., & Sons, Ltd.  
Lennon, Ltd.  
May, Roberts & Co., Ltd.  
Newberry, F., & Sons, Ltd.  
Rajapur, Ltd.  
Sangers  
Weyles, Ltd.
- Photo. Postcards**  
Rajapur, Ltd.
- Pile Powders**  
Mumford, G. S., & Sons
- Pill Masses**  
Cox, A. H., & Co., Ltd.  
Davies, Sons & Co.  
Howard Lloyd & Co., Ltd.  
Kirby, H. & T., & Co., Ltd.  
McKesson & Robbins  
Standard Tablet & Pill Co., Ltd.  
Ward Manufacturing Co.
- Plasters**  
Dalmas, A. de St., & Co.  
Galen Manufactg. Co., Ltd.
- Pleated Paper**  
Darter, Wilkinson & Co.
- Pocket Spitting Flasks**  
Beatson, Clark & Co., Ltd.
- Polishes (Various)**  
Bradley & Bourdies  
Holden & Co.  
Oakley, J., & Sons, Ltd.
- Postal Boxes**  
Globe Box Co.  
Robinson & Sons, Ltd.
- Powder Paper**  
Papier Poudre, Ltd.
- Printers**  
Cartwright & Battray, Ltd.  
Ford, Stanlana & Co.  
Sintley & Silverlock, Ltd.  
Townsend, J., & Sons  
Waide, T., & Sons  
Wilkinson, James P.
- Puffs**  
Schutze, F., & Co., Ltd.  
Solport Bros.
- Pyrogallic Acid**  
Green, E. W., & Co.
- Quinine and Salts**  
Alliance Drug & Chem. Co.  
Bandango Quinine Factory  
Corbyn, Stacey & Co., Ltd.  
Greiff, R. W., & Co.  
Howards & Sons, Ltd.  
Reitmeier, Calburn & Kindersley, Ltd.
- Radio-active Minerals**  
Harrington Bros., Ltd.
- Radium Compounds**  
Glew, F. H.
- Razors**  
Hoven, R. M., & Sons, Ltd.  
Kelland, W. P.  
Maw, S., Son & Sons
- Resins, Resinoids**  
Hopkin & Williams, Ltd.  
Allen, Stafford, & Sons, Ltd.  
Macfarlan, J. F., & Co.  
Ransom, W., Son, Ltd.  
Smith, R. H., Ltd.
- Respirators**  
Brown, J. M., & Co.  
Solport Bros., Ltd.  
Zimmer & Co.
- Rubber Goods**  
Atrincham Rubber Co.  
Berton, Arthur, Ltd.  
Burge, Warren & Ridgley, Ltd.  
Harwood, J. C., & Son  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Tompkins, J., Ltd.  
Warne, W., & Co., Ltd.



**Rubber Stamps**

Richford, C. D.

**Saccharin**

Saccharin Corporation, Ltd.

**Salicylic Acid and Salicylates**

Bush, W. J., &amp; Co., Ltd.

**Salvarsan, &c., Substitutes**

Bresillou, M., &amp; Co.

**Sanitary Towels**

Southall Bros. &amp; Barclay, Ltd.

**Santonine**

Gojders, I. L.

**Scapronin**

Field, C. W., Ltd.

**Scammony Resin**

Carnegie Bros.

**Scientific Apparatus**

Forbes, Ben &amp; Co., Ltd.

Phillips, J.

Keynolds &amp; Branson, Ltd.

**Sea Salt**

Tidman &amp; Son, Ltd.

**Seed Dressing**

Hawker, Arthur E.

Tomlinson &amp; Hayward, Ltd.

**Seeds**

Potter &amp; Clarke, Ltd.

**Serums and Antitoxins**

Allen &amp; Hanbury, Ltd.

Burroughs Wellcome &amp; Co., Ltd.

Christy, Thos., &amp; Co.

Evans &amp; Sons Lescher &amp; Weh, Ltd.

Parke, Davis &amp; Co.

Willcox, Joseph &amp; Co.

Shampoo Powders

Standard Tablet &amp; Pill Co. Ltd.

**Shares**

McAdam &amp; Tuckers

**Sheep Dips**

Bart, Boulton &amp; Hayward Ltd.

Hawker, Arthur E.

Standardised Disinfectants

Co., Ltd.

**Shop Fittings**

Ayrton-Graham, Ltd.

Cook, George

Evans &amp; Sons Lescher &amp; Weh, Ltd.

Grant, D.

Haskins, S., &amp; Bros., Ltd.

Joseph, Philip, &amp; Sons, Ltd.

Maw, S., Son &amp; Sons

Mills, H.

Parnall &amp; Sons

Ruddock &amp; Co.

Saners

**Shoulder Straps**

Wood, Vincent

**Soap Plant**

Forshaw, E., &amp; Son, Ltd.

**Soaps, Toilet, &c.**

Allen &amp; Hanbury, Ltd.

Bell (John), Hills &amp; Lucas, Ltd.

Bronnley, H., &amp; Co., Ltd.

Chesebrough Manfg. Co.

Christy, Thos., &amp; Co.

Cook, E., &amp; Co., Ltd.

Erasmic Co., Ltd.

Euery, Ltd.

Evans &amp; Sons Lescher &amp; Weh, Ltd.

Ewen, James, &amp; Sons

Faulding, F. H., &amp; Co.

Field, J. C. &amp; J., Ltd.

Hovenden, R., &amp; Sons, Ltd.

Lescol Perfumery Co.

Pears, A. &amp; F., Ltd.

Peat Products (Sphagnum) Ltd.

Price's Patent Candle Co., Ltd.

Resinol Chemical Co.

Spratt's Patent, Ltd.

Vinoia Co., Ltd.

Wright, Layman &amp; Umney, Ltd.

**Sodium Bicarbonate**

Brunner, Mond &amp; Co., Ltd.

Howards &amp; Sons, Ltd.

**Soothers**

Schntze, F., &amp; Co., Ltd.

**Spectacles**

Darton, F., &amp; Co.

Maw, S., Son &amp; Sons

Nitsche &amp; Gunther Optical

Co., Ltd.

**Spermaceti**

Farris, Charles

Price's Patent Candle Co., Ltd.

**Spices (Ground)**

Allen, Stafford, &amp; Sons, Ltd.

Goodall, Backhouse &amp; Co.

**Spirit of Wine**

Burroughs, J., Ltd.

Caldier, James, &amp; Co., Ltd.

Preston's Liverpool Distillery

Co., Ltd.

**Splints**

Turner, W., &amp; Co., Ltd.

**Sponges**

Internl. Spong Importers, Ltd.

**Sprays**

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Christy, Thos., &amp; Co.

Hovenden, R., &amp; Sons, Ltd.

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Parke, Davis &amp; Co.

Sangers | Toogood, Wm., Ltd.

**Sprinkler Corks**

Retts &amp; Co., Ltd.

Brooks, Peel &amp; Co., Ltd.

**Spruce Beer**

Hobson, Joseph, &amp; Son

**Starch**

Mumford, G. S., &amp; Sons

**Stills**

Bennett, Sons &amp; Shears, Ltd.

Forshaw, E., &amp; Son, Ltd.

Stokes, F. J., Machine Co.

**Stoppers**

Rowe, T. Wilfrid

Stipendium Stopper Co.

**Suppositories**

Peat Products (Sphagnum) Ltd.

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Allen &amp; Hanbury, Ltd.

Bailey, R., &amp; Son

Bais Bros. &amp; Stevenson, Ltd.

Berton, Arthur, Ltd.

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Bush, Henry W., &amp; Co., Ltd.

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Liverpool Lint Co.

Macfarlan, J. F., &amp; Co.

Mason Bros. &amp; Chapman

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May, Roberts &amp; Co., Ltd.

Robinson &amp; Sons, Ltd.

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Southall Bros. &amp; Barclay, Ltd.

Thermogene Co., Ltd.

Van Horn &amp; Sawtell

Vernon &amp; Co., Ltd.

Vernon, Will, &amp; Sons

Warne, W., &amp; Co., Ltd.

Wood, Vincent

Woolley, J., Sons &amp; Co., Ltd.

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Bailey, W. H., &amp; Sons

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Naef, M., &amp; Co.

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Camrai, Ltd.

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British Drug House, Ltd.

Brook, Parker &amp; Co., Ltd.

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Evans &amp; Sons Lescher &amp; Weh, Ltd.

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Polak &amp; Schwarz

Zimmermann, C., &amp; Co., Ltd.

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Societeit voor Chemische Ind-

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Mascarenhas, Dr.

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Bush, H. W., &amp; Co., Ltd.

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REGISTERED TRADE MARK  
No. 100.

The Remedy always in Popular Demand.

A BEAUTIFUL  
SHOWCARD

WILL BE SENT  
WITH ORDERS FOR

1 Gross of Bottles.

The words **GRIPLE WATER** have been pronounced  
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## R.W. Greeff & Co.,

offer at lowest prices the  
following products manufactured  
in the United Kingdom, Allied  
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Bromide of Potassium	Lithia Carbonate
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Cocain Hydrochlor and Puriss	Pepsine
Coumarin Crystals	Phenazone
Cream of Tartar	Pyrogallie Acid
Creosote Carbonate	Phenolphthalein
Diamidophenol Hydrochlor	Potassium Sulpho-Guaiacolate
Formaldehyde	Quinine
Gallic Acid	Salicylate of Soda
Glycerophosphates	Sugar of Milk
Heliotropin	Tannic Acid
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(PARAFFINUM LIQUIDUM, from Pure Russian Oils),

is guaranteed to exactly conform to B.P. tests.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

Samples for testing and comparison will be gladly sent gratis.

SUPPLIED IN QUANTITIES OF 1 GALLON UPWARDS.

**Large Stocks always Ready for Immediate Delivery.**

Farris's Clock Oil, Free from Acid.  
Insulating Fluid and Wax.

Special Refiner of Oils for the fine Clockwork of Telegraphic Instruments.  
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**PROTECTED PROFIT. QUICK  
SALES—NO BAD STOCK.  
REPEAT ORDERS AND  
SATISFIED CUSTOMERS**

Never was SCOTT'S Emulsion more widely advertised than at the present moment. The opportunity, to secure a fair share of the season's demand for this preparation, is one that few enterprising pharmacists can afford to neglect.

**SCOTT & BOWNE, Ltd., 10-11, Stonecutter St.,  
LONDON, E.C.**

## Why it pays to sell SCOTT'S

SCOTT'S Emulsion reflects credit on the seller and gives satisfaction to the buyer.

It bears a good protected profit, yet is advertised all over the United Kingdom.

It is the only emulsion with a 37 years' reputation for value and quality.

It sells quickly on sight—involving little trouble and no losses.

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Maw's

G. MAW, SON & SONS  
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TELEPHONE  
CITY 7  
PRIVATE BRANCH EXCHANGE

NUMBER 207

OCTOBER 2, 1915



## This Soldier

knows the meaning of foot comfort. Miles of marching cause no discomfort. He is telling his comrades all about

### "ACTIVE SERVICE" FOOT POWDER.

It is an excellent preparation, composed of special antiseptic properties. Delicately perfumed and delightfully soothing. Put up in sprinkler-top tins, with showcard.

24 - GROSS.  
RETAIL 3½d. TIN.

## SURGICAL HOSIERY

Made without binding at the seams. That is the feature of our Reversible Mercerised Hose. It means that the WHOLE of the texture of these Stockings—both inside and outside—is soft and admirably suited to be worn on a sensitive limb. Stocked in unbleached, most suitable for wear under thin stockings.

Flesh and drab shades made to order.

STOCK SIZES.	
Stockings	- 8/3 per pair
Leggings	- 6/4 "
Knee Caps	- 5/9 "
Anklets	- 5/8 "



2145/S

2145, S Maw's Earthenware, Double-valved, White, per doz., 57/9

2146, S Ditto, Marbled, three sizes, per doz. 23/6, 29/- and 33/-

2147, S Ditto, White, three sizes, per doz. 10/9, 15/6 and 21/-

## EARTHENWARE INHALERS

Inhalers will soon be in demand, and we again offer these three well-established patterns selected from our stock. Be prepared for the season.



2147/S

## LEG CRADLES

Here are four good designs: Aluminium painted, 3/6 each. B274 B Japanned white iron, 5/- each. B276 B Wire and wood, 4/9 each. New pattern, light japanned iron, 3/6 each. All made for hard wear.

## OVERSEAS

A COLUMN FOR AUSTRALASIA

The success of the English season has been

THE "ELF"

BATHING CAP.

Made in transparent oiled silk, in various shades. Different coloured trimmings. A charming new line.

Price 21/6 dozen.

THE  
CHECK CYGNET  
BATHING CAP.

An attractive style in the favourite material for a cheap reliable cap. The piping is of various colours, and gives a neat finish. Price 8/- dozen.

THE HOUSE FOR  
HOLIDAY LINES.

## The Boundary Line

Travellers who are acquainted with the Continent will recollect La Schlucht. It is not exactly a pretty name. Commencing, it is true, with a suggestion of the Gallic tongue, it is completed with the guttural "Schlucht," very Teutonic in sound and appearance. Thus does the name indicate the position of La Schlucht. The frontier line between France and Germany runs through the main street.

It is incongruous, in these days, to recollect the stories of travellers who have halted in La Schlucht. They will relate how, seated outside a French café on one side of the

street, they have watched fellow-tourists sampling *sauerkraut* in Germany. And now there has been fighting in La Schlucht. The imaginary boundary has become one of terrible reality.

Every Pharmacist, at some time or other, has had to contend with the materialization of just such an imaginary boundary in the course of business.

Vaguely, but truthfully, he has described his higher-class goods as "better quality." And then there comes the customer who is curious to know on what grounds the appellation is justified. "Why is the

quality better? Does it last longer? Will it wear better? Is it really worth it?" It is then that the boundary line between quality and QUALITY becomes one of great moment to the salesman.

This is a phase of business studied by the House of Maw. We are not content to produce goods of "quality" in the accepted sense of the term. We prefer that our lines should bear evidence of superiority apparent both to the most critical Pharmacist and customer.

*Capsule*

USUAL DISCOUNT OFF ABOVE PRICES.

# EADE'S GOUT AND RHEUMATIC PILLS and EADE'S ANTIBILIOUS PILLS

## LIST OF PRICES.

### EADE'S GOUT AND RHEUMATIC PILLS.

1 1½ size ... .. 129 - per gross (not less than one gross)  
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MUST NOT BE SOLD UNDER THE FOLLOWING PRICES:**

To Retailers, 11 6 and 29 - per dozen.

Minimum Selling Price, 1 1½ and 2 9 each.

*Cheque with Order. Carriage **not** paid. These prices are strictly Net.*

**GEORGE EADE & SONS, 232 Goswell Road, LONDON, E.C.**

## Autumn.

Now is the time to lay in stock of

# Owbridge's

## The Original Lung Tonic.

Showcards, &c., on receipt of Business Card.

W. T. OWBRIDGE, Ltd., The Laboratory, HULL.



**PRESCRIBED FOR MEMBERS OF THE ROYAL FAMILY**  
**SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL**  
**ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL**  
**THE ALLIES' HOSPITAL (Hôpital de l'Alliance), YVETOT, FRANCE**  
**THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.**

*Over a quarter of a century  
of uninterrupted success as  
a specialised preparation.*

*Unsurpassable reputation for  
genuineness. Never claims to  
do more than it can accomplish.*

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*For Liver, Kidneys & Bowels.*

**THE FAMOUS BRITISH REMEDY**  
**MADE IN ENGLAND ONLY**

**THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND**

It is on the P.A.T.A.  
It is well advertised  
It is very popular  
It is a good article  
It is never dead stock  
It yields a good profit  
It satisfies everybody



The Doctors prescribe it  
The Nurses recommend it  
The Public appreciate it  
The Customer comes again  
The demand is constant  
The sales are increasing  
The trade is progressive

**ORDER AT ONCE FROM  
YOUR WHOLESALE HOUSE**

**WINDOW SHOWS ATTRACT  
REMUNERATIVE BUSINESS**

## IMPORTANT NOTICE.

### Hospital War Service

— FREE OF CHARGE —

#### DOCTORS, NURSES & HOSPITALS

are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked

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Please send me Showcards and Counter Bills, carriage paid.

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Fill in, cut out, and post in open envelope, affix 1d. stamp.

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French Essential Oils and Raw Materials for  
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 AND CONFECTIONERS, &c.

**M. NAEF & CO.** - **Geneva, Switzerland**  
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Synthetic and Aromatic Chemicals and Specialities for  
 PERFUMERS, SOAPMAKERS, MANUFACTURING CHEMISTS  
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(See Special Advertisement on page 15)

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PURE AND GENUINE OTTO OF ROSE.

Distilleries at { DOVADJOVA-HISSAR (Carlowa).  
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Pure Edible OLIVE OILS of the highest grades.



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THE SOAPERY,  
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TELEGRAMS: "SOAPERY BOCHURCH  
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MOTOR BUS SERVICES TO COOK'S ROAD

NO 10, 10A & 10B  
(SUBJECT TO REVISION)

STATIONS NEAREST TO WORKS:  
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BOW ROAD, Underground Rly

Oct. to Decr. 1915.

To the Chemists and Druggists  
of the British Empire.

Dear Sirs,

Our World famed Soaps and Disinfectants  
are well known to you, but we also specialize  
in Chemists' own name Soaps and would esteem  
it a privilege to be of Service to you.

Yours truly,

EDWARD COOK &amp; CO., LTD.

# ROSE VANISHING CREAM

PINK OR WHITE.



NOW is the  
opportune time  
to make a  
display of Rose  
Vanishing Cream.

Pots, 6/- per dozen.  
Collapsible Tubes,  
7/- per dozen.



ATTRACTIVE SHOWCARD AS ABOVE GIVEN WITH ORDERS FOR 1 DOZEN.

**CUXSON, GERRARD & CO., LTD., BIRMINGHAM.**

6d.



Make your old  
Hat a new one.

In bottles, 6d. each, in  
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with suitable brush.

These Dyes are a distinct  
invention, dyeing the straw  
without an objectionable  
varnished appearance,  
and producing the effect  
of new goods.

NO GLOSS.  
NO POLISH.

On the  
P.A.T.A.

Write for terms,  
patterns, also leaf-  
let of testimonials.

**"Luton" HAT DYE**

WHITAKER & CO., COLOUR WORKS,  
KENDAL, ENG.  
London Depot: 60-62 Clerkenwell Road, E.C.

Glossy "Series" supplied if desired. Est. 1878.  
Special Non-Inflammable Series for Export. Telephone: No. 214.  
Telegraphic Address: "Dullette Kendal."

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ALL THROUGH THE YEAR

OF THE

*New Complexion Cream*

**"VELOIN"**

This cream is advertised in a novel manner, and  
very extensively. The public will want it, and  
it is bad business to send a customer to a rival  
shop for anything.

The profit on the retail sale is worth having—  
and you keep your customer.

Wholesale price, per dozen jars, 24/-

Retail price - - per jar, 2/6

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**SAVE 3/- PER GALLON**  
**BY BUYING**  
**GUARANTEED GENUINE**  
**NEWFOUNDLAND NON-FREEZING**  
**MEDICINAL COD LIVER OIL**  
**OF 1915 MAKE.**

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

**WHOLESALE ONLY.**

*Kindly write for sample to*

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Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

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Established 1780.

**Petroleum Jelly**

*White, Yellow, Amber, Ruby Red, for all  
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MEADE-KING, ROBINSON & CO., LIVERPOOL & MANCHESTER.

**METHYLATED SPIRIT**

Buy from one of the Oldest Houses in the Trade.  
 Write for Prices. **ESTABLISHED 1794.**

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# POLAK & SCHWARZ'S PERFUMES & ESSENTIAL OILS

**O**F HIGHEST QUALITY AND GUARANTEED PURE, ARE

**L**IKELY TO MEET AND EVEN SURPASS\_\_\_\_\_

**A**NYONE'S WISHES. \_\_\_\_\_

**K**KNOWN PERFUMERS and SOAPMAKERS  
USE THEM

**DUTCH**  
MANUFACTURERS

&

OF  
**SYNTHETIC**  
**& NATURAL**  
**FLOWER OILS**

**S**HOW THEIR SATISFACTION.

**C**USTOMERS ALL OVER THE **W**ORLD

**H**AVE A SMELL AT OUR\_\_\_\_\_

viz. :  
AMBRE, CARNATION,  
CASSIE, FOUGÈRE,  
HELIOTROPE, HYACINTH,  
JASMIN, LILAC, LILY OF  
THE VALLEY, MIMOSA, MUSK,  
NARCISSUS, NEROLI, ROSE RED,  
VIOLET, &c. &c. \_\_\_\_\_

**W**ORLD - FAMOUS SYNTHETICS,

**A**ND WE ARE SURE TO\_\_\_\_\_

**R**ECEIVE YOUR ORDERS

IN  
**Z A A N D A M .**

*DIRECT SHIPMENTS TO  
ALL PARTS of the WORLD.*

**N. V. Polak & Schwarz's**

===== *Essencefabrieken* =====

ESTABLISHED 1889.

**ZAANDAM—HOLLAND**





# ETNA *Essential Oils*

(Registered).

ALL PACKAGES CERTIFIED PURE.

BERGAMOT  
MANDARIN  
ORANGE  
LEMON

**THE LEADING BRAND—**  
FINEST QUALITY AT "FINEST" PRICE.

**Buy from principal Wholesale Houses**  
Or The ETNA Essential Oil Company, 72 Fenchurch St., London, E.C.

## SHAVING BRUSHES.

We are offering a good line in boxes of half-dozen well assorted Brushes in Boxwood and Metal; also Bone and Metal Handles, Hog Hair. Fine bold Brushes, well worth 1/6 each.

**Per Case 5/-**, less usual discount.

**FRANCIS NEWBERY & SONS, Ltd., 27 & 28 Charterhouse Sq., LONDON, E.C.**

CHUIT NAEF &amp; CO.

## M. NAEF & CO.

(Successors)

GENEVA, Switzerland.

**WORLD-RENOWNED PERFUMERS**  
are now using our leading Specialties in  
**Synthetic & Aromatic Chemicals**

**We** cannot improve our qualities, **but** **You** can blend our ingredients and produce exquisite Perfumes.

*Up-to-date Novelties for modern floral odours are:*

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**Lilafleur** . . . The most delightful and refreshing Lilac odours ever produced.  
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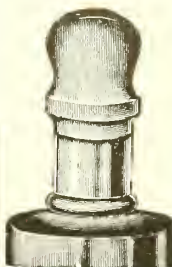
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Samuel Johnson's  
advice.

"KEEP yourself cheerful. Lie in bed with a lamp, and when you cannot sleep and are beginning to think, light your Candle and read. At least, light your Candle; a man is perhaps never so much harassed by his own mind in the light as in the dark."

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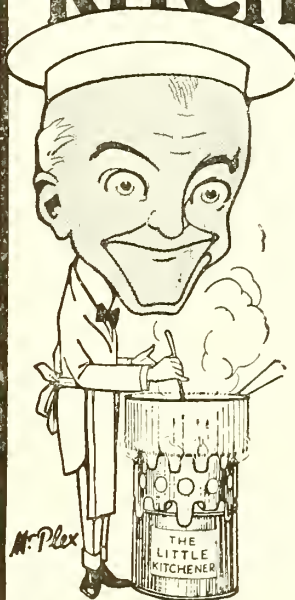
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**THE NATURAL  
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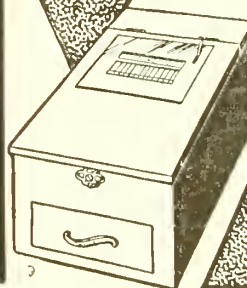
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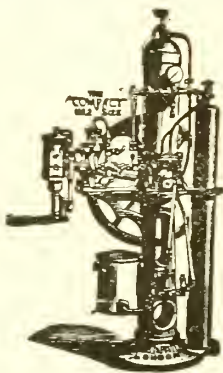
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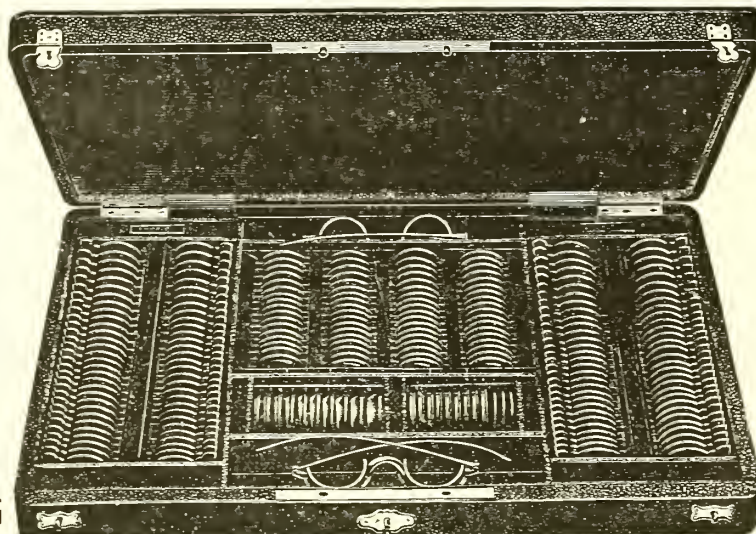
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## INDEX and BUYERS' GUIDE

See pages 5 to 7.

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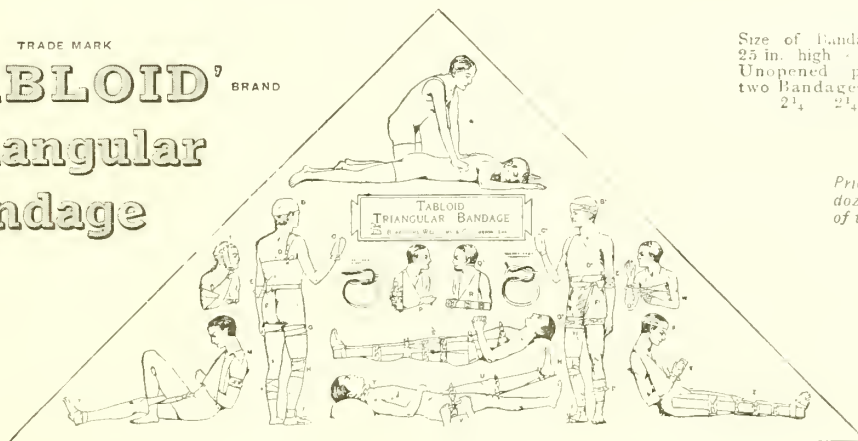


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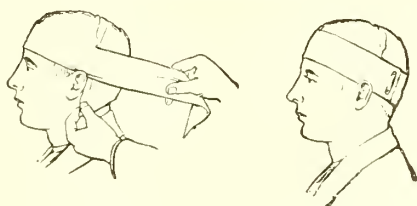
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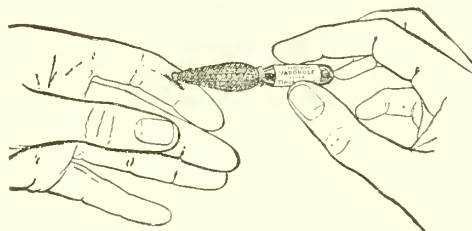
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PURITY & CONSTANCY  
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Sold in Improved  
Screw-Stoppered  
Bottles

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1/-

PER DOZEN

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## Summary.

Enforcement of the increased medicine duties has been postponed until October 20.

We report fully the week's proceedings, beginning on p. 41 with the official notice and Mr. Glyn-Jones's speech in Parliament, and finishing with reports from the country.

The Chancellor of the Exchequer has indicated that a stamp of the postal size will be introduced. The difficulties which have still to be surmounted are mentioned in the editorial article.

There is trouble in New York about the composition of proprietary medicines having to be disclosed to the Board of Health (p. 33).

The winter session is again upon us and in full swing. We ask secretaries and others personally interested to note what we say at the beginning of the section (p. 53 to p. 57), in which forty-three meetings are reported.

The continuance of our Roll of Honour is gratifying proof of pharmaceutical patriotism, and that young men connected with the business make good soldiers is proved by the number of them who are receiving commissions (p. 34).

At many chemists' meetings the principal topic at present is the Report of the Departmental Committee on the Drug Tariff, which is very freely criticised (p. 53 to p. 57). Scottish chemists are strongly averse to the proposed new Tariff, and the majority of our correspondents are for the reasons stated on pp. 62-63. We also deal with the matter on p. 49.

With the exception of phenacetin and acetylsalicylic acid, for which extremely high prices are being paid, the bulk of synthetic chemicals remains unchanged. Quinine, bichromates, castor oil, menthol, and opium are firmer; cocaine, soda hyposulphite, nux vomica, celery-seed, and ammonia sulphate are easier. A drug auction will be held next week (p. 58).

## European War.

A Year Ago To-day.

(War News in "C. & D.," October 3, 1914.)

Deficiency in the supply of medicines began to be acute in various countries. The conditions for exportation of these from the United Kingdom were described and statistics were given of the exportation of them from Austria-Hungary, Germany, and the United Kingdom, these being in connection with the Board of Trade's scheme of capturing enemy trade. We noted the appointment of a Chemical Reagents and Apparatus Committee of chemists, also the production of British salicylic acid, and continued our Pharmaceutical Roll of Honour with a page of names. Editorially the preparation of liquid paraffin and the scarcity of morphine in Germany were treated.

## Pharmaceutical Roll of Honour.

*Non sibi sed patria.*—CICERO.

FIFTY-FOURTH LIST.

BILTCLIFFE, J. E., chemist and druggist (lately with Mr C. W. Brunwell, Ph.C., Easton Square, London, W.C.), dispenser, transport *Bertha*.

BROWN, J. M. D. (lately assistant with G. White & Sons, Ltd., chemists, Waterford), R.A.M.C.

CUMMINGS, Second-Lieutenant H. D., 3/8th Battalion Lancashire Fusiliers (from King's Liverpool Regiment), and Second-Lieutenant G. Cummings, 10th South Lancashire Regiment (from Manchester University O.T.C.), sons of Mr. John Cummings, chemist, Crewe.

DAVIES, HARRY (lately assistant with L. Rowland & Co. chemists, Wrexham), Royal Engineers.

DEWING, Quartermaster-Sergeant J. J., Northumberland Fusiliers; Private Edward J. Dewing, Australian Expeditionary Force; and Petty Officer Arthur C. Dewing, Royal Naval Division, sons of Mr. J. E. Dewing, chemist and druggist, Goole. Private E. J. Dewing has been wounded at the Dardanelles, and is now recovering in hospital at Cairo.

DICKINSON, Second-Lieutenant F. N. R. (son of Mr. F. Dickinson, chemist and druggist, St. Mary's Street, Stamford), 7th Essex Regiment.

EVANS, LL. (lately apprentice with L. Rowland & Co., chemists, Wrexham), Royal Welsh Fusiliers.

EXLEY, Second-Lieutenant George Allen (son of Mr. John Exley, Ph.C., Hunslet Lane, Leeds, and Burley-in-Warfedale), King's Own Yorkshire Light Infantry (from R.E.).

FENTON, A. P. (lately apprentice with G. White & Sons, Ltd., chemists, Waterford), 30th Field Ambulance, R.A.M.C. Private Fenton has been wounded at the Dardanelles.

FORTUNE, H., chemist and druggist, 67th Field Ambulance, R.A.M.C.

FRANCIS, A. (lately assistant with L. Rowland & Co., chemists, Wrexham), R.A.M.C.

HUDSON, HAROLD, chemist and druggist, formerly of Whitby, and lately of Zealandia, Saskatchewan, Canada, Canadian Army Medical Corps, attached 5th Canadian Artillery.

HUGHES, H. (lately apprentice with L. Rowland & Co., chemists, Wrexham), Royal Welsh Fusiliers.

JARVIS, L. V. (lately with Mr. F. E. Bustard, St. Ann's Road, Tottenham), R.A.M.C.

MENNAUGHT, Second-Lieutenant JAS. (son of Mr. Andrew McNaught, Ph.C., Queen's Bridge Pharmacy, Bridge End, Belfast), 1st Battalion Royal Irish Regiment (from 9th Battalion Highland Light Infantry (Glasgow Highlanders) (T.F.)). Second-Lieutenant McNaught has been serving as a private with the Glasgow Highlanders in France since October, 1914.

MADDOX, Lance-Corporal W. R. (lately apprentice with Chave & Jackson, Ltd., chemists, Hereford), R.A.M.C., South Wales Mounted Brigade.

MANLEY, W. (lately assistant with L. Rowland & Co., chemists, Wrexham), R.A.M.C.

MERCER, HERBERT (son and pupil of Mr. A. Mercer, chemist, Crich, near Matlock), Royal Engineers (from Public Schools Battalion, Royal Fusiliers).

O'FARRELL, S. (former assistant of G. White & Sons, Ltd., chemists, Waterford), 5th Battalion Grenadier Guards.

ORMEROD, H. J. (lately assistant with L. Rowland & Co., chemists, Wrexham), R.A.M.C.

PROTHERS, S. (lately assistant with L. Rowland & Co., chemists, Wrexham), R.A.M.C.

ROBERTSON, Lance-Corporal ROBERT, chemist's assistant, Aberfeldy, R.A.M.C., attached Scottish Horse. Lance-Corporal Robertson has been wounded in action at the Dardanelles.

**SELL,** Second-Lieutenant C. H. B., chemist and druggist, Macclesfield, 2/7th Cheshire Regiment.

**TRICK,** Lieutenant STANLEY ARTHUR (son of Mr. W. B. Trick, J.P., chemist and druggist, of Lewis & Burrows, Ltd.), Army Service Corps.

**WILKINSON,** Private E. C. (formerly with Mr. A. Knowles, chemist, Morecambe), Australian Army Medical Corps.

**WILLIAMS,** Second-Lieutenant H. V. (lately assistant with Mr. J. Cummings, chemist, Crewe), Royal Welsh Fusiliers (from Bangor University O.T.C.).

**YARDLEY,** W. (lately assistant with L. Rowland & Co., chemists, Wrexham), R.A.M.C.

#### Exportation Notices.

**DUTCH COLONIES.**—"Handelsberichten" of September 16 publishes a list of articles the exportation of which from the Dutch East Indies, Curaçao, and Surinam is prohibited according to various decrees. Ammonium hydrosulphide and synthetic indigo from the Dutch East Indies and fixed oils from Surinam are among the prohibited articles.

**FRANCE.**—Permission to ship glycerin to the Allied countries without previous authorisation has been withdrawn.

**GERMANY.**—A decree of September 11 prohibits the exportation of empty bottles for mineral waters and of centrifugal machinery.

**RUSSIA.**—The exportation of casein by all frontiers of the Empire has been prohibited. Pitch, tar, and alcohol can now be exported without special application, in the case of each consignment, direct to Allied countries in Russian or Allied vessels.

**SWEDEN.**—Reuter telegraphed on September 24 that the Swedish Government has prohibited the export of rubber, different kinds of varnishes, printers' ink, and various dyes.

#### Trade with China and Siam.

The Foreign Office draw attention to a Proclamation just issued prohibiting the exportation of goods consigned to any persons or bodies of persons in China or Siam other than such as may be notified by Order of the Secretary of State for Foreign Affairs, or of the Board of Trade, to be inserted in the London, Edinburgh, and Dublin "Gazettes." First lists of approved consignees follow the text of the Proclamation in a Supplement to the "London Gazette," published on Friday, September 24. Firms desiring to export goods to the countries in question consigned to traders not appearing in these lists should make application to the Foreign Office, who will, if necessary, inquire by telegraph (at the applicant's expense) or by post of H.M. Consular officers whether the proposed consignees may be approved as not serving as intermediaries for enemy firms. In the list of approved firms we notice the following connected with the chemical and drug trades:

CHINA.		Norbury & Co.
Allen & Hanburys, Ltd.		Oxygen & Drum Co.
American Trading Co.		Shanghai Dispensary
Anglo-Chinese Dispensary, Hankow.		Teh Kee Dispensary, Hankow.
Anglo-Chinese Dispensary, Shanghai.		Tientsin Dispensary.
Brunner, Mond & Co., Ltd.		P. O'Brien Twigg.
Burroughs Wellcome & Co.		A. S. Watson & Co., Ltd.
Central China Dispensary.		Whiteway, Laidlaw & Co.
China & Japan Trading Co.		Dr. Williams Medicine Co.
Crosfield & Sons.		Woollen Vosy & Co., Tientsin.
Crystal, Ltd.		
Erasmic Co.		SIAM.
Fukien Drug Co., Amoy.		British Dispensary, Bangkok.
Fukien Drug Co., Chefoo.		French Dispensary, Bangkok.
Grenard, Betines & Co.		Lotus Dispensary, Bangkok.
Hankow Dispensary, Ltd.		Nestlé & Anglo-Swiss Condensed Milk Co., Bangkok.
Lever Bros., Ltd.		Puket Dispensary, Puket.
J. Llewellyn & Co.		Siam Industries Syndicate, Bangkok.
Mactavish & Lehmann.		Swee Hien, Puket.
Mitsui & Co.		Whiteway, Laidlaw & Co.
Mustard & Co.		
National Cash Register Co.		
Nestlé & Anglo-Swiss Milk Co.		

The list contains about 500 names of approved persons in China and 100 in Siam. Other lists will be issued.

#### Personalia.

**MR. GRAHAM BOTT,** recently dispenser at the Royal Herbert Military Hospital, Woolwich, has been appointed to the staff of the Anglo-Russian Hospital shortly proceeding to Russia.

**PRIVATE T. T. BRINDLE,** 1/4th Royal Scots, second son of Mr. E. Brindle, chemist and druggist, Morrison Street, Edinburgh, is now officially reported wounded and missing since July 9.

**MR. HERBERT MABEN,** a son of Mr. Thomas Maben, Ph.C., F.C.S., and a private in the London Scottish, was on Saturday last wounded in the arm during the attack on the Germans. He is now somewhere in England.

**CORPORAL EDWARD CALCOT PRYCE,** 6th Battalion Shropshire Light Infantry, who, prior to the war, was engaged as a chemist's assistant at Leominster, has received a shrapnel-wound in the leg while acting as a regimental stretcher-bearer.

**MR. J. T. GUY MURISON,** M.P.S., second son of Mr. John Murison, managing director of Parke's Drug Stores, Ltd., who was wounded in the charge of the London Scottish at Messines, has now recovered, and has received a commission in the East Surrey Regiment.

**LIEUTENANT R. H. FLETCHER,** Westminster Dragoons, lately manager of the disinfectant department of Edward Cook & Co., Ltd., Bow, London, E., who was wounded on the Gallipoli Peninsula, and was in hospital at Alexandria, is now convalescent and awaiting orders to return to active service.

**LANCE-CORPORAL W. LEE BRAY,** of the Royal 1st Devon Yeomanry, eldest son of Mr. W. J. Bray, chemist and druggist, Exeter, has been promoted to the rank of sergeant-dispenser, with an appointment at a central dépôt of the R.A.M.C. (T.). Sergeant Bray passed the Minor examination in April 1914.

**LIEUTENANT STANLEY ARTHUR TRICK,** son of Mr. W. B. Trick, J.P., chemist and druggist, of Lewis & Burrows, Ltd., who has just been gazetted to the Army Service Corps, is an old Merchant Taylors' boy. He was for ten months a platoon-sergeant of the Old Boys' Corps, and before leaving London to take up his new duties he was presented by the members of the Old Boys' Corps with a sword bearing a suitable inscription. The good wishes of all members of the Corps go with Lieutenant Trick in his new sphere of action.

**SECOND-LIEUTENANT A. PROCTOR ATKINSON,** who has just been appointed to the 21st (Service) Battalion Middlesex Regiment (Islington's Own), is the eldest son of Mr. A. Proctor Atkinson (Duncan, Flockhart & Co., 155 Farringdon Road, London, E.C.). On the outbreak of war he enlisted in the Honourable Artillery Company, Infantry Battalion, and, being an exceptionally fine shot, he was one of the first contingent to be sent out to France in September 1914. He has spent many months in the fighting lines, and on June 16 was wounded at Hooze, when the H.A.C. helped to capture three lines of German trenches. Second-Lieutenant A. P. Atkinson has returned from France to take up his commission, and is now in training for the requisite examinations.

#### Miscellaneous.

**A RUSSIAN NITRATE WORKS.**—It is reported from Copenhagen that the Norsk-Hydro, which owns the patent rights for the Eyde-Birkeland process for the extraction of nitrogen from the atmosphere, has granted a working licence for Russia. A wealthy syndicate has been formed to work the process near Archangel.

**CHEMISTS IN THE ROYAL ENGINEERS.**—The military authorities have announced to the various commands that, for the present, no further transfers to the Royal Engineers of men with a knowledge of chemistry are required. The names of men who possess chemical qualifications should, however, be sent to the War Office, where they will be noted in case of the Royal Engineers being again open to receive transfers of such men.

**TREATMENT OF WOUNDED SOLDIERS.**—An "Exchanged Officer," in an article in "Blackwood's Magazine," tells of the breakdown of German organisation for the care of wounded men. As late as January of this year a large number of wounded men, Germans and prisoners, were crowded into third-class carriages for the long journey from Flanders to Southern Germany. No distinction was maintained—among the wounded prisoners, at any rate—between sitting-up and lying-down cases, the forwarding of the trains by the railway officers was about as bad as could be, the arrangements for feeding and supplies generally totally broke down, and the policing of the stations seems in many places to have been left to chance. A fact mentioned incidentally, and quoted as an example of good organisation, is that dressing-rooms and pharmacies had been established at railway stations in Belgium. This looks well until we learn that wounds were not dressed during the long journey, and that, in fact, there were no trained orderlies or nurses to make any attempt in that direction. The whole story of muddle and callousness, states the "British Medical Journal," from which we quote, takes us back to pre-Crimean days, with some added horrors, due to mere spite and cowardice, thrown in.



## Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed Corner for Students, "The Chemist and Druggist," 42 Cannon Street, London, E.C.

### QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopoeia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, October 5, on which day the samples will be posted.

Students' reports will be received up to Saturday, October 16. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTICE.—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, *which fact must be attested on their reports.* Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a qualifying examination will be included in the latter list.

## New Customs and Excise Duties.

IN our issue of September 25 (p. 70) we gave particulars of the new Budget duties, and we now add the rates on cognate goods on which a *pro rata* duty is levied:

	Old Duty. s. d.	New Duty. s. d.
Blackening, liquid or solid, containing sugar or any sweetening-matter, per cwt. ...	0 5	2 1
Caramel, solid, per cwt. ...	1 10	9 4
Do., liquid, per cwt. ...	1 4	6 9
Cocoa-butter, per lb. ...	0 1	0 1½
Confectionery, made from sugar and containing no other ingredients except flavouring, per cwt. ...	1 10	9 4
Do., liquorice, not containing more than 30 per cent. of added sugar or other sweetening-matter, per cwt. ...	0 7	3 0
Do. (soft), A.B. gums imported in bulk, with the declaration that duty on the combined quantity of sugar and glucose does not exceed the rate of 10d. in the cwt., per cwt. ...	0 10	4 3
Do. (soft), other A.B. gums, chewing-gums, jelly-beans, caramels, Turkish delight, etc. per cwt. ...	1 4	6 9
Do. (hard), such as sugared almonds, caraway-seeds, etc., per cwt. ...	1 10	9 4
Do., declared on entry that the sugar coating does exceed 72 per cent. of total net weight, per cwt. ...	1 4	—
Ginger, preserved in syrup or sugar, per cwt. ...	1 4	6 9
Glucose, solid, per cwt. ...	1 2	5 11
Do., liquid, per cwt. ...	0 10	4 3
Milk, condensed, sweetened, whole, per cwt. ...	0 9	3 10
Do., sweetened, separated or skimmed, per cwt. ...	0 10	4 3
Do., slightly sweetened, whether whole, separated, or skimmed, not containing more than 18 per cent. of added sugar, per cwt. ...	0 4	1 8
Milk-powder, declared not to contain any added sugar ...	Free	—
Do., declared not to contain more than 36 per cent. of added sugar, per cwt. ...	0 8	3 5
Do., in all other instances, and when dispensing with sampling and testing, per cwt. ...	1 6	7 6
Motor-spirit, per gal. ...	0 3	0 6
Nestlé's milk-foed, per cwt. ...	0 7	3 0
Do., when containing molasses or other sweetening-matter, per cwt. ...	0 5	2 1
Saccharin (including mixtures), substances of a like nature or use, per oz. ...	0 7	3 0
Tamarinds, preserved in syrup, per cwt. ...	0 5	2 1

AGRICULTURAL CHEMISTRY.—Extract from an Indian land-owner's letter to a Government adviser: "And in order to use the approved system (of cultivation) I beg you very kindly to suggest a book on Pharmacy."—*Punch*.

## English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Liverpool.

Mr. John H. Robinson, Hon. Secretary of the Liverpool Chemists' Association, left home on Tuesday for a three-weeks' "cure" at Harrogate.

The City Council has issued a draft order for chemists and druggists in the city to close at 9 p.m. on Mondays, Tuesdays, and Thursdays; 1 p.m. on Wednesdays; 9.30 p.m. on Fridays; and 10.30 p.m. on Saturdays. [It is interesting to note that the Glasgow City Council has refused a similar order for the retail drug-trade there.—EDITOR C. & D.]

"Remember the men at the Front and send them useful Presents" is a notice to be seen in the windows of pharmacists who supply packets of comforts for the men in the trenches. The number of these comforts has multiplied amazingly, and many are so highly appreciated at home as well as on the battlefield that their permanent sale seems assured.

### Sheffield.

Mr. H. Bown, chemist and druggist, has placed on the market a new disinfectant under the registered name of Bownoid.

Pharmacists who have signed on as special constables were called up for duty on September 28, when the King visited the local munition-works.

The many friends of Mr. A. T. Appleton, retired wholesale chemist, will be pleased to hear that he is making a satisfactory recovery from his recent illness.

Some of the local panel chemists, who had become sick of the injustice of having to dispense acetylsalicylic-acid tablets at the Tariff rate, have successfully approached the prescriber, who was under the impression that he was doing the chemist a good turn by ordering tablets. He will now order the drug in powder form.

Local owners and drivers of motor-cars have been approached with a view to forming a Motor Volunteer Corps to be attached to the Sheffield Volunteer Defence Corps. The object is to have a body of trained motorists, with cars, at the disposal of the Regular, Territorial, or Volunteer Forces, for use as a mobile force for home defence. Councillor S. Roberts is secretary of the movement.

The Hon. Secretary of the local Chemical and Pharmaceutical Society has arranged with Major Hall Dalwood to enrol a First Aid Section composed of pharmacists for the Ambulance Brigade of the Sheffield Defence Corps, under Drs. Martin and Robertson. The duties of the section, in addition to first-aid work, will include camp sanitation and water-analysis. Pharmacists and assistants should apply for enrolment in the section to Mr. S. Furnival, Ph.C., 265 Glossop Road.

G. T. W. Newsholme, Ltd., chemists, 27 High Street, have issued a neat counter folder, advertising a selection of little necessities and comforts for soldiers and sailors. It bears on the front the flags of the Allies, and among the articles advertised are beef-tea tablets, vigoral beef and chicken cubes, oxo cubes, vitafer chocolate, tea-tablets, malted-milk tablets, peppermint and ginger candy, lime-juice pastilles, water-sterilising tablets, iodine ampoules, boric ointment and vaseline, boric and foot powders, shaving-soap, etc.

### Contracts for Drugs, etc.

Subjoined are particulars regarding contracts for drugs and allied products of interest to subscribers:

Atherstone Guardians.—Parkinson & Son, chemists, chemists' goods.

Belper Guardians.—Calvert & Son, chemists, drugs.

Chard Guardians.—Mr. A. Sanders, chemist, drugs.

Chipping Norton Guardians.—Mr. A. G. Felthouse, chemist, disinfectants.

Clitheroe Guardians.—Mr. J. Harrison, chemist, drugs and dressings.

Derby Guardians.—Davies, Sons & Co., drugs.

Eastry Guardians.—Mr. A. E. Woodruff, chemist, chemists' sundries.

Epsom Guardians.—Mr. C. J. G. Roe, chemist, drugs.

Faversham Guardians.—Mr. J. T. T. Rolfe, appointed chemist.

Hemel Hempstead Guardians.—Mr. F. Chapman, chemist, surgical dressings.

Hull Guardians.—Ingram & Son, London, and the Asbestos Rubber Co., Hull, rubber goods.

Isle of Thanet Guardians.—Mr. V. J. Woolls, chemist, Margate; Mr. A. H. Siminon, chemist, St. Lawrence, Margate; and Mr. J. H. Skitt, chemist, Margate—drugs for outdoor poor.

Keighley Guardians.—Mr. J. Harrison, chemist, drugs, etc.

Ludlow Guardians.—Mr. W. J. Parvin, cod-liver oil (8d. per lb.); G. Woodhouse & Son, chemists, cod-liver oil emulsion (10½d. per lb.) and crushed linseed (2s. 1d. per 12 lb.).

Newport (Salop) Guardians.—Mr. F. H. Slinn, chemist, disinfecting-fluid.

Nuneaton Guardians.—Boots Cash Chemists, Ltd., chemists' goods.

Portsmouth Guardians.—McDougall Bros., Ltd., disinfecting-powder (9s. per cwt.); W. Pink & Sons, bovril (19s. 5d. per doz.).

Romsey Guardians.—Mr. F. Oram, Ph.C., drugs and surgical dressings.

Sculcoates (Hull) Guardians.—Mr. H. Leggott, chemist, drugs.

Stourbridge Guardians.—Mr. A. I. West, chemist, chemists' goods.

Swindon and Highworth Guardians.—Green & Co., chemists' goods.

Tadcaster Guardians.—Mr. J. H. Hull, chemist, drugs.

Twickenham Urban District Council.—Mr. A. Feather, chemist, Jeyes' corporation powder (5l. per ton).

Wakefield Guardians.—E. P. Shaw & Co., Ltd., soda-water.

Watford Guardians.—Mr. T. Chater, chemist, drugs and surgical dressings.

Wolstanton and Burslem Guardians.—McDougall Bros., Ltd., disinfectants and soap.

Wolverhampton Guardians.—Southall Bros. & Barclay, Ltd., drugs for workhouse (102l. 5s. 9d.); Corbyn, Staey & Co., drugs for out relief dispensary (43l. 15s. 11½d.); W. G. Taylor, surgical dressings (83l. 14s. 10d.); The Sanitas Co., Ltd., Sanitas carbolic soft soap (1l. 14s. per cwt.).

Wirral Guardians.—Mr. D. R. Rowlands, chemist, Birkenhead, drugs.

Workop Guardians.—Mr. J. R. Pennington, chemist, drugs.

#### Miscellaneous.

BIRMINGHAM.—There is considerable difficulty in obtaining supplies of benzene, benzol, and benzoline in the city, most of the local stocks having passed under State control.

NEW BUILDINGS.—West Ham Corporation has passed plans for additions proposed to be made at the factory of Jeyes' Sanitary Compounds Co., Ltd., Richmond Street, Plaistow, London, E.

ELECTROLYTIC DISINFECTING-FLUID.—The General Purposes Committee of Poplar Borough Council has decided to recommend to the Council that a charge of 8l. per gal. should be made to manufacturers and trading concerns for electrolytic disinfecting-fluid supplied through the Electricity Department.

CAMBERWELL DRUGS.—At a meeting of the Borough Council on September 24 Councillor W. Shrimpton complained that no samples of drugs had been submitted to the public analyst for nine months, and Councillor W. F. S. Vicary, Chairman of the Public Health Committee, promised that his Committee would consider the matter.

POISONING CASES.—Five of the nine deaths due to poisons reported during the week were suicidal cases, the poisons involved being ammonia, carbolic acid, salt of lemon, poison for killing wasps, and one unknown poison. Two persons died through accidentally swallowing carbolic acid, one through taking a corrosive fluid by misadventure, and a child died at Birmingham as a result of sucking matches.

FIRE.—An outbreak of fire, the origin of which is a mystery, occurred at the warehouse of J. & H. A. Averill, pharmaceutical chemists, Stafford. The fire-brigade succeeded in preventing the flames from reaching the petrol-store, but the contents of the warehouse, which were of an inflammable nature, were destroyed. The damage is largely covered by insurance. This is the second fire that has occurred in chemists' warehouses in Stafford within a week, a store belonging to Marson & Son, 23 Greengate Street, Stafford, having been damaged by fire on September 16 (*C. & D.*, September 25, p. 52).

FATAL EXPLOSION.—At the Manchester Coroner's Court on September 24, Mr. C. W. W. Surridge, Deputy Coroner, opened an inquiry into the cause of death of four men who lost their lives in an explosion at the dye and chemical works of Levinstein, Ltd., Crumpsall Vale, on September 20 (*C. & D.*, September 25, p. 53). Two of the victims were instantly killed by the explosion, while the other two died of their injuries. After evidence of identification had been given, the Coroner adjourned the inquest pending the result of an investigation by his Majesty's Factory Inspector.

THE NATIONAL AMALGAMATED UNION OF SHOP-ASSISTANTS, WAREHOUSEMEN, AND CLERKS still keeps up its agitation among drug warehousemen in London. The latest thing reported is that the male staff of a London firm are exercised in their minds as to what is "the normal working week," and are to ballot on the question. The Union, in its circular, says on the subject: "As several other houses have conceded, and are working quite successfully under it, the Union will have no alternative, if the staff should decide by ballot to cease work to secure it, but to render financial assistance to the members in dispute. Every effort will be made to avoid an open rupture." [It appears to us that no more unfortunate time than the present could have been selected for agitation of this nature. Few houses are not engaged in the production of medicines for the Army and Navy, and these are as urgent as the supply of munitions.—EDITOR *C. & D.*]

WEST BROMWICH MINIMUM PRICES.—The following have been fixed by the Pharmaceutical Association: Cod-liver oil, bottles, 8-oz. 1s. 2d., 16-oz. 2s. 3d., 32-oz. 4s. 4d.; ditto, bulk, 2d. per oz., ¼ lb. 7d., 1 lb. 2s.; seltzogene-charges, per doz., 3-pint 2s. 6d., 8-pint 3s. 9d.; naphthalene, 8½d. lb.; quinine sulph., 2s. 6d. oz.; tablets, quinine, sulph., 2-gr., 25 8d., 100 2s.; Pinaud's pommade hongroise, 5d.; metol-substitute, 5s. 6d. oz.; genuine metol, 7s. 6d. oz.; Apenta, 1s. 5d.; Hunyadi, 1s. 6d.; aspirin and acetosal tablets, 1s. 3d. for 25 and 4s. 6d. for 100; Bayer's aspirin, 6s. oz.; tablets, 25 1s. 9d., 100 6s. "Tabloid": Phenacetin and phenacetin co., 1s. 4d. for 25 and 4s. for 100; quinine, sulph., 2 gr., 8d. and 2s.; Aspirin, Empirin, or Xaxa, 1s. 6d. and 5s. 3d.; Xaxa co. or Empirin co., 2s. and 6s.; Xaxaquin., 1s. 6d. and 4s. 6d.; Xaxa and caffeine, 1s. 6d. and 5s. 3d.; Xaxa and Dover powder, 1s. 3d. and 3s. 9d.; Xaxa and phenacetin, 1s. 8d. and 5s.

PHARMACEUTICAL BOWLERS.—The return bowling match between North and East London pharmacists was played at Wood Green on Thursday afternoon, September 23, a goodly company of pharmacists being present as spectators. The green (one of the finest sheets of Cumberland turf in London) was very fast, and this was reflected in the play, but the stern men from the North once more beat the wise men from the East, this time by eight points. The teams and scores were:

North			East.		
Mr. Bennett	...	...	Mr. Abelson	...	...
Mr. Payne	...	...	Mr. Hatfield	...	...
Mr. Grassick	...	...	Mr. Styles	...	...
Mr. Bowie (skip)	...	...	Mr. Keith (skip)	...	...
Mr. Honiatt	...	...	Mr. Gooch	...	...
Mr. Hearle	...	...	Mr. Coulton	...	...
Mr. McRostie	...	...	Mr. Wood	...	...
Mr. Dow (skip)	...	...	Mr. Wilson (skip)	...	...

The North play the South-Eastern at Wood Green on Thursday, September 30, which concludes the season's engagements.

THE CREDITORS of Harry Edwin Tovey (trading as Tovey's Drug-stores), 216 Barton Street, Gloucester, met on September 22, when a statement of affairs was submitted showing liabilities 120l. 3s. and net assets 18l. 17s. After trading with his brother until seven years ago, debtor carried on business himself, and had an estimated weekly turnover of 9l. 12s. until 1913, when the takings gradually declined and had not averaged more than 2l. 3s. a week. Expenses for rent, rates, gas, etc., were about 1l. a week. The creditors decided that the debtor be asked to find a sufficient sum by November 1 next to enable a composition of between 4s. and 5s. in the pound to be paid to the whole of the unsecured creditors, otherwise that the estate should be realised and the proceeds distributed *pro rata* among the creditors, who include: Ayrton, Saunders & Co., Ltd. (3l.); Blyton, Astley & Co. (7l.); Butler & Sons (7l.); Coulthurst & Harding (3l.); Evans, Gadd & Co., Ltd. (3l.); Ford, Shapland & Co. (3l.); Harker, Stagg & Morgan, Ltd. (4l.); Hockin, Wilson & Co., Ltd. (4l.); Meggeson & Co., Ltd. (3l.); Morgan Davis (3l.); National Drug Co. (5l.); Potter & Clarke, Ltd. (16l.); Sangers (3l.); and Wand Manufacturing Co. (5l.).



## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Brevities.

Mr. Thomas Dunn, chemist and druggist, 5 High Street, Selkirk, has been appointed a Justice of the Peace for the shire.

Hamilton pharmacists unanimously agreed at a meeting on Friday, September 24, to discontinue on October 15 dispensing medicines under the scheme of the Soldiers' and Sailors' Families Association. It transpired that several chemists had refused the service, and some doctors who keep drug-shops sent their prescriptions elsewhere to be dispensed.

At Perth Police Court, on September 23, Beryl Hamilton, an actress, was fined 20s., with the alternative of ten days' imprisonment, for stealing, on September 20, from the shop at 15 Princes Street, Perth, occupied by Mr. James Farquhar, chemist, a 2s. 6d. pot of Oatine, a 1s. tube of bath-tablets, a 1s. bottle of Insectol, a 2s. 6d. bottle of Anzora cream, and a 1s. bottle of toilet-paraffin. It appeared that the accused had gone into the pharmacy along with Mr. N. H. Mayne, an actor, and asked Mr. Farquhar to make up a headache cachet. Mr. Farquhar was alone in the shop, and for the purpose of dispensing the cachet he was engaged in the back premises for ten minutes. It was then that the articles were stolen.

### Aberdeen and the North.

Monday, September 27, was observed as the Aberdeen Autumn Holiday. Unfortunately, the weather was wet and boisterous, and few excursionists left the city.

The annual report of Robert Gordon's Technical College for 1914-15, recently issued by Principal Stewart, indicates that the new chemistry department has been very successful. It is stated that the new facilities offered in the various schools of the College have given an impetus to technical education in the area, and there are unmistakable signs that students will be attracted in ever-increasing numbers, and that in time the industries of the district will benefit greatly.

### Edinburgh.

Who is stamping the name of a popular proprietary pill on the back of ten-shilling currency notes? Or is everybody doing it?

An Edinburgh clergyman has put a new patent medicine on the market this month. He has called on chemists lately, asking them to permit him to book a small order.

Local newspapers have notified the fact that the Zambuk Co. issued a circular stating that after Tuesday, September 28, the public will have to pay fifteen pence for patent medicines which hitherto cost one shilling and three-halfpence.

Mr. Thomas Stephenson, F.C.S., etc., as Secretary of the Edinburgh Rotary Club, had a busy hour on September 22, when the Club entertained Mr. Harry Lauder to luncheon. Mr. Stephenson appealed for tobacco-pipes for the soldiers at the Dardanelles; a collection was made, and a goodly sum obtained.

### Fife.

Mr. R. S. Herd, chemist and druggist, 101 High Street, Kirkcaldy, has two beautiful porcelain carbonyl-stands in his window. They are richly burnished, with floral designs, and covered on top with plush. Standing three feet high they are very striking. In the West-end Pharmacy (Mr. A. G. Adamson) is a good show of Silkum Corn-plaster, and prominently displayed is a red arrow pointing to a card, on which are stuck six pennies, with the words "Enough for 'Your' corns."

A local paper states that chemists in Kirkcaldy have sold enormous quantities of spirit since the restriction in hours of sale in licensed premises was enforced. It is stated that within the past week or two practically all local chemists have increased their sales of methylated spirit 100 per cent. From inquiries made we find that

Fife-shire chemists on all hands discourage the sale of methylated spirit to undesirables. In fairness to chemists, it should be noted that many other traders, ironmongers, oil-stores, etc., hold methylated-spirit licences.

### Glasgow and the West.

Several doctors have recently been brought to task by the local Committee for excessive prescribing.

Wholesale houses closed down at 1 p.m. on Saturday last and remained closed till Tuesday, this being the autumn holiday, which is the last holiday of the year. Retailers took the day off on Monday.

The regular appearance of a report of the drug-market in the "Glasgow Herald" every Saturday, with features similar to that of the *C. & D.*, inclines to the belief that the Glasgow paper is lifting "copy" and must have a pharmaceutical contributor.

Dr. John Adams, Queen's Crescent, who was a member of the Departmental Committee on National Health Insurance Sick Benefit, was at one time a chemist and druggist. His brother, Mr. George Adams, has a pharmacy in Parliamentary Road.

The proposed additional tax on dutiable medicine has been received with equanimity among retailers; after all, the consumer has to "pay the piper." There has been a steady stream of purchasers at city shops since the Chancellor's announcement, and heavy purchases of popular patents have been made.

The late John McMillan, of Glasgow, put on the market many years ago a preparation of phenol and soap, known as carbo-serpol. It is similar to lysol, and is used in the leading surgical institutions and nursing homes. The preparation was the result of the combined ideas of Sir George Beatson, M.D., K.C.B., and the late John McMillan.

## French News.

(From the "C. & D." Paris Correspondent.)

**ALCOHOL STOCKS.**—The military authorities have commandeered for the War Explosives Department all stocks of alcohol over 200 gallons, but steps have been taken to assure perfumers, manufacturers of pharmaceuticals, etc., sufficient stocks for at least a month.

**MILITARY CHEMICAL SUPPLY.**—The Army Committee of the Chamber of Deputies has unanimously approved the report of M. d'Aubigny on the organisation of the military chemical supply, and has decided to request the Under-Secretary of State for Ordnance to give evidence at its next sitting.

**TRADING WITH THE ENEMY.**—In August 1914 M. Henri Racine, a Mentone merchant, consigned to Farina, of Cologne, a large quantity of neroli oil and about 100 gallons of olive oil. The consignment was made after the date of mobilisation, so he was summoned for trading with the enemy and condemned to imprisonment in a fortress. From this judgment he appealed to the Marseilles Revision Court-Martial, and the case came before General Straforello and his colleagues last week. They quashed the finding of the lower Court and sent the case to be re-tried by the Montpellier Court-Martial.

**GAS-GANGRENE.**—Dr. Taylor, bacteriologist of the Imperial Cancer Research, has been experimenting bacteriologically as to the cause of this disease, and found that with guinea-pigs he was unable to obtain results which would allow him to apply his conclusions to human beings, as the crucial experiment of inoculating a human being with a pure culture of the bacillus was necessary. Miss Mary Davies, an English nurse at the American Hospital, Neuilly, knowing this, took a room, and infected herself with the pure culture used in the experiments on guinea-pigs. Two hours afterwards symptoms of gas-gangrene developed, and she sent for Dr. Taylor, who injected a quinine solution, which he had found to be specific, and in twenty-four hours the patient was out of danger. The treatment is now followed in the American Ambulance.

**PRO PATRIA.**—One of the sons of M. Collard, Secretary of the General Association of French Pharmacists, has received the War Cross for his gallant conduct during an enemy attack on an ambulance in which he was serving as orderly. He has since received his commission as second-class assistant pharmacist (grade of sub-lieutenant). M. De Gorges, formerly house pharmacist at the Ivry Hospice, and now ambulance orderly, has been mentioned in an Order of the Day of the Army Corps for having volunteered to remain with some wounded men who could not be carried off, and for having "constantly given his comrades an example of courage."—The son of M. Kopp, principal pharmacist of the French Army, was killed in action after having performed several brave deeds.

## India and the East.

(From the "C. & D." Correspondents.)

**COCAINE-SMUGGLING.**—Three wealthy Bengalis—father, mother, and son—who are alleged to be notorious cocaine-smugglers, have been arrested in Calcutta by an Excise "trap." They are to be tried before the Chief Presidency Magistrate.

**HOSTILE FIRMS.**—Among the German firms in Calcutta whose licences have been cancelled is that of Holzmüller & Schmidt, who are to deposit all the assets of their business in British India with the Controller of Hostile Firms, Bengal. The schedule contains the names of nine Calcutta firms.

**FOOD AND DRUG ADULTERATION.**—The Simla correspondent of the "Advocate of India" states that the reports of all the local Governments on the proposed Food and Drugs Bill have now reached the Government of India. It is understood that they generally favour taking action, though opinions are divided as to whether a more obvious course should be adopted of passing a general Act of the Imperial Council for the whole of India, giving powers to the provincial and municipal authorities to take necessary action to penalise the adulteration of food and drugs.

**MADRAS GOVERNMENT CINCHONA.**—The actual yield from Government cinchona plantations in Madras during 1914-15 was 349,451 lb., or 91,286 lb. less than in the previous year, when the acreage of old cinchona uprooted was 74.84 per cent., against 47.65. This supply was supplemented by purchases of 431,956 lb. of local bark. The total amount of bark worked up was 683,054 lb., compared with 564,762 lb. in 1913-14, and the actual output of quinine sulphate was 24,422 lb., a yield of 4.31 per cent. against 26,516 lb., or a yield of 4.70 per cent. The sales of quinine at post-offices increased by 3.7 lb., and the quantity disposed of through the agency of revenue officials was even less than in 1913-14. With a view further to extend the use of quinine the Government drew up a scheme for sales on commission by vaccinators and elementary school masters. There was a profit of Rs. 371,428, against Rs. 78,231 in the previous year. The bulk of this advance is due to much larger issues of manufactured products, but a sum of Rs. 153,373 is accounted for by higher valuation during the current year of bark or standing trees in Government estates.

**TREYHER & CO., LTD.**—The annual meeting was held in Bombay on August 31, Mr. A. M. Tod presiding. The directors, in the course of their report for the year ended March 31, 1915, state that the results of the Poona branch being still unsatisfactory, they closed it in March, the stock being removed to Bombay and the building and fixtures sold for Rs. 42,500. During the year the directors have been endeavouring to reduce expenses and consolidate the business without prejudicing the working of the company. The actual trading expenses were considerably less than in 1913-14, and a still further saving may be effected during the current year. The stock is considerably less than last year. The purchases have also been less, and the turnover having been about the same, the directors have been able to accumulate funds to the extent of Rs. 1,10,000 in addition to Port Trust holdings. They therefore propose to distribute Rs. 2,50,000 by paying Rs. 125 per share out of the reserve fund, from which they transfer Rs. 20,000 to the credit of profit-and-loss account, which will then show a credit balance of Rs. 2,40,000, this amount being carried forward. In moving the adoption of the report, the Chairman said with regard to the proposal of paying Rs. 125 per share from the reserve fund the company had suffered from a plethora of capital, and personally he was of opinion that the capital should be reduced by Rs. 2,50,000. The report was adopted.

## South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

### Cape Province.

**BUSINESS PROSPECTS.**—Our correspondent writes that business is good. Wholesale houses of all classes in Cape Town are doing splendid business with the newly acquired Colony (British South-West Africa), and Cape Town has every chance of becoming the market centre for that country. When the war is over and the country is settled and populated, there will be some fine openings for different trades and professions.

### Natal.

**TRAVELLERS' MOVEMENTS.**—Prominent representatives in Durban on September 1 included Mr. Frank Morrell, of F. Stearns & Co., who had been there for some weeks, and whose pleasant manner ensures him a good reception; also Mr. Hull, of Parke, Davis & Co., who always has a cordial welcome.

**PRESENTATION.**—A very pleasant function took place at Stranack & Williams' pharmacy at Durban on August 23, when Mr. W. Johnson was presented with a handsome tool-chest on the occasion of his retirement, after thirty-five years' service, to his farm at Highflats. It was not Mr. Johnson's intention to leave the firm until the end of the year, but his departure was hastened owing to the fact that two of his sons have enlisted for overseas service.

**A HEARTY CIVIC WELCOME HOME** was given to the Second Field Ambulance of the South African Medical Corps on their return to Durban from what was formerly German South-West Africa. The unit was entirely composed of Durban men, and eventually became the nucleus of a general hospital, which was the largest hospital organisation in the field. Between February and July 4,764 cases were dealt with, 3,485 being medical and 1,279 surgical. Many members of the Corps are anxious to go to Flanders and the Dardanelles.

## American Notes.

**Making Dyes.**—The "New York Commercial" reports the formation of the Middlesex Chemical Co. at Chester, Conn., with a million dollars capital, which is to manufacture aniline dyes by a secret process. The company recently discovered a black dye, of which there is a serious shortage.

**Patent-medicine Registration.**—On August 24 the Board of Health of the City of New York adopted regulations providing for the registration of the ingredients of patent medicines with the Department, under Section 117 of the Sanitary Code, which, however, does not take effect until December 31, 1915. Some of the leading proprietary manufacturers do not believe that the section is legal, and assert that they will not pay any attention either to the regulations or to the section. Nevertheless, the matter is causing a good deal of trouble.

**Notice to Importers.**—The "Board of Trade Journal" calls attention to the following notification, which the Bureau of Chemistry of the United States Department of Agriculture contemplates publishing in its Service and Regulatory Announcements, relative to foods and drugs which are offered for entry into the United States, and which may be detained because the labelling thereof does not meet the requirements of the Food and Drugs Act:

"The attention of the Bureau of Chemistry has been called to the fact that certain classes of foods and drugs, misbranded within the meaning of the Food and Drugs Act, continue to be offered for importation into this country, notwithstanding the fact that previous shipments of identical articles have been detained on arrival, and released to importers only after they have been re-labelled so as to cure the false and misleading statements or other misbranding on the labels. Hereafter when misbranded foods or drugs are offered for importation, and it appears that three previous shipments of identical articles, bearing identical labels, and made by the same manufacturer, have been detained and released only upon re-labelling, recommendation will be made to Customs officials that the articles be refused admission. This practice will be followed whether or not the importer offering the articles for entry imported any one of the previous shipments which were detained and released after re-labelling."



## Legal Reports.

### Trade Law.

**Kosher Wine.**—According to Mr. C. A. Adams, a Government chemist, contains 16.7 per cent. of proof spirit, and is a British wine made with sugar, raisins, water, and yeast. Jacob Schwartz, Greenfield Street, Stepney, was, at Thames Police Court on September 29, fined 20*l.* for selling it without a wine-licence.

**Company Dentistry.**—At Belfast County Court, before Judge Craig last week, Thos. Fulton sued Cole & Co., Ltd., dental surgeons, 61 Great Victoria Street, Belfast, to recover 20*l.*, damages sustained by reason of the want of skill and negligence of the defendants and their servants in extracting his teeth. His Honour said he was not fond of limited companies who carried on dentistry; the plaintiff was treated by three employes of the defendants, and only one of them was a qualified man. Anyone who undertakes to do dentistry work should show reasonable skill. A verdict for the plaintiff was entered, the damage being assessed at 10*l.*

**Fertilisers and Feeding-stuffs Act.**—At Ystrad Rhondda (Glam.) last week, George & Co., chemists, Treherbert, were summoned on three counts for selling bone-meal which was really superphosphates and improperly invoicing the same. For the defence it was urged that as no invoice was asked for or given, but only a receipt, there could be no conviction for causing an invoice to be false. There had been no intention to palm off superphosphates for bone-meal. On the charge of failing to give an invoice defendants were fined 20*s.* and costs, and the other charges were dismissed. Mr. T. L. Mason, Gelli, charged with a similar offence, had his summons dismissed upon payment of costs.

**Smuggling Opium.**—At the Thames Police Court on September 23, four Chinese firemen were brought up for attempting to export opium from this country. The first defendant was Lee Chang, who was charged with attempting to export 31½ lb. of opium, valued at 32*l.* Mr. Hubbard, on behalf of the Customs and Excise, said the exportation of opium is prohibited to all destinations, and the penalty for contravention of the Order had been increased from 100*l.* to 500*l.*, or imprisonment for a period not exceeding two years. Lee Chang was a fireman on the steamship *Ingonia*, and on his box being searched the opium was found. He stated that it was a year's supply for his own use. The Magistrate (Mr. Leicester) sentenced him to six months' imprisonment. For concealing 73 lb. of opium, valued at 73*l.*, on the same vessel, Ah Wing and Chang You were each sentenced to six months' imprisonment. Ah Song, for concealing 15 lb. of opium, received a similar sentence.

**Exportation of Salol.**—At the Mansion Police Court, London, before the Lord Mayor (Sir Charles Johnson), on Monday, September 27, David Schkolnik, chemical agent, Eastbury Terrace, Mile End, appeared in answer to two summonses charging him with having, on May 10 and 11, delivered at the Aldgate Post-office for exportation to Russia two packages containing salol, being an article which is prohibited to be exported from the United Kingdom by the King's Proclamation of February last, contrary to the provisions of the Customs and Inland Revenue Act, 1879. Mr. Simpson, for the prosecution, said defendant was a Russian, until lately carrying on business as a chemical agent at 12 Aldgate. He attempted to export salol to Russia *via* Norway without a licence from the Privy Council. The penalty for any infringement of the Act was originally 100*l.*, but the Privy Council had increased it to 500*l.* At the time the defendant delivered the packages he made and signed a declaration to the effect that neither of them contained any article the exportation of which is prohibited. The defendant had made three applications to the Privy Council for a licence to export salol, and in each instance had been refused. Mr. Percy Renshaw, an officer of Customs, supported this statement by evidence, and his Lordship fined defendant 50*s.* on each summons.

**Sale of Izal.**—At the Salford County Court, before Judge J. Scott Fox, K.C., on September 27, the Pharmaceutical Society sought to recover from Cyril Wadson Monk a penalty of 5*l.* under Section 15 of the Pharmacy Act, 1868, in respect of the sale by him of Izal—a liquid containing considerably more than 3 per cent. of a homologue of carbolic acid, therefore a scheduled poison. It was alleged by the prosecution that the defendant was not qualified. Mr. H. Moon, Deputy Registrar of the Society, proved authority for the proceedings, but Mr. Cunningham

(for defendant) produced his client's certificate of qualification received from the Pharmaceutical Society. Mr. Moon consulted certain documents and intimated that defendant's name is on the Register, and Mr. Robson withdrew the case.—Three cases against John L. Smith & Co., Ltd., for the recovery of penalties for the sale of Izal at three shops of the company, were then heard. Mr. J. W. Robson stated, on behalf of the Society, that there was not a manager personally conducting the business in each shop, nor was the qualified person's certificate conspicuously displayed. Mr. Arthur Foulds spoke to visiting defendants' shop at 180 High Street, Pendleton, and purchasing a bottle of Izal. He was served by Mr. Monk, and saw no certificate displayed anywhere in the shop. The Izal was marked "Poison." Cross-examined, he said he was now satisfied Mr. Monk was registered and qualified. Continuing, witness said he bought Izal at defendants' shop at 242 Stretford Road, where he was served by Mr. Storey, and he made a similar purchase at their shop at 307 Chester Road, where he was served by Mr. Dancor. In neither case was there evidence of qualification. Mr. Thomas Tickle, B.Sc., F.I.C., said 12 per cent. of carbolic-acid homologues was present in the articles purchased, and the Izal was a dangerous poison. In cross-examination witness said he had never known a case of poisoning with Izal. He believed there was a warning against using the Izal internally, and thought there was another preparation intended for internal use. His Honour, examining a bottle of Izal, drew attention to the label stating that Izal is safe in use, but owing to a recent interpretation of the Pharmacy Act the makers are now compelled to label it "Poison." He thought the wording rather injudicious. It appeared to him to be liable to lead a person to think that it is not really poisonous in any substantial degree. Mr. Cunningham drew attention to statements which had been made by Dr. Tunncliffe, of St. Bartholomew's Hospital, and by Dr. Knyvett Gordon on the desirability of using Izal internally, but witness said he had not heard of them, nor could he say whether Izal is used by public authorities as a disinfectant and given away to people to use for disinfecting purposes. For the defence, Mr. Monk deposed that he had been employed by John L. Smith & Co., Ltd., at Pendleton since May 24, and had been in constant attendance at the shop, his certificate being on view either in the shop-window or inside the shop. Mr. Robson said he would withdraw the case so far as it related to the sale by Mr. Monk. Mr. Cunningham said that Storey and Dancor, who had sold the other bottles, were certainly unqualified, but they declared that Izal as a poison had only recently been notified, and they were not aware they were doing wrong at the time the transactions took place. Everything had been done openly, and John L. Smith & Co. felt that the Pharmaceutical Society had been unnecessarily severe upon them. As to Izal, he submitted that it was not in any sense a dangerous poison. There had been no interference with its sale till recently, and nothing to direct the attention of defendants to the fact that its sale by them was likely to be an offence. Mr. Robson having replied, judgment was given for 10*l.* against John L. Smith & Co., Ltd., and the Registrar was asked by the Judge to exercise his discretion in regard to costs. In the case of Mr. Monk, which was withdrawn by plaintiffs, defendant was allowed costs.

## Bankruptcy Report.

**Re Compagnie Juvenileau**, 97 Cannon Street, E.C., Perfume Manufacturers.—The first meeting of creditors was held at the London Bankruptcy Court on September 27, before Mr. E. Leadam Hough, Senior Official Receiver. The petition was lodged by the Dorland Agency, Ltd., advertising contractors. The Chairman reported that he knew very little about the firm's affairs as none of the partners had surrendered to the proceedings; in fact he (the Official Receiver) was not clear as to the names of the gentlemen constituting the firm. The only assets were said to consist of trade-marks, and there appeared to be no factory or stock in this country. From affidavits which had been produced in the course of the bankruptcy proceedings it appeared that the manager of the Cannon Street branch closed the office and removed the books about the time when war was declared, and he was believed to have joined the French army. No business had been transacted since the outbreak of war. The firm had also carried on business at Brussels and Geneva, but all work had been controlled from Paris, and all goods had been despatched from the latter city branch. The case was left in the hands of the Official Receiver to be wound up.

## Deed of Arrangement.

**Moses, Henry Chadwick**, 26 High Street, Plymouth Grove, Manchester, chemist and druggist.—Trustee, P. S. Booth, 2 Bixteth Street, Liverpool, accountant. Dated, September 18; filed, September 24. Secured creditors, 20%; liabilities unsecured, 429%; estimated net assets, 235/. The creditors include Apollinaris, Ltd. (3/); The British Drug Houses, Ltd. (10/); Parke, Davis & Co. (3/); J. Morgan Richards & Co. (3/); J. Timpson & Co., Ltd. (3/); Vinolia Co. (3/); Evans Sons Lescher & Webb, Ltd. (218/); Heath Bros. (3/); R. Gibson & Sons (6/); and Jewsbury & Brown (5/).

## Trade-Marks.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with the Registrar of Trade-Marks, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C. The prescribed time is one month from the date of the Journal in which the application has appeared; but the period may be enlarged by the Registrar, if he thinks fit, and upon such terms as he may direct. Formal opposition should not be lodged until after notice has been given by letter to the applicant for registration, so as to afford him an opportunity of withdrawing his mark before the expense of preparing the notice of opposition is incurred. Failing such notice to the applicant, an opponent may not obtain an order for costs.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1915, p. 435.

(From the "Trade-marks Journal," September 22, 1915.)

Swastika device: for a bleach and for soda (1). By Electro-Bleach and By-Products, Ltd., 63 Victoria Street, S.W. 365,665.

"EBONALL": for paints, varnishes, and colours (1). By Charles Huggins, 92 Stroud Green Road, N. 368,237.

Oblong device, with fire and words "THE IMMOVABLE FIRE CEMENT," "FENSOL": for fire-resisting cement (1). By the K. G. Timber Co., Ltd., King's Lynn, Norfolk. 366,832. (Associated.)

"LEWMEAD": for chemicals, etc. (1). By Henry Matthews & Co., Ltd., Lewin's Mead, Bristol. 363,304.

"MANGANIN": for incendiary chemicals (1). By James F. Buckingham, 159 Spon Street, Coventry. 368,788.

"DESSICO": for glue (1). By J. & G. Cox, Ltd., Gorgie Mills, Edinburgh. 368,975.

Device including sink and hand with sprinkler-top tin and words "HEALTH IN THE HOME," "SANICLENS," "SANITARY CLEANSER": for a disinfectant (2). By A. W. G. Mason, 85 Hanover Street, Edinburgh. 367,338.

"ISCO": for fertilisers (2). By the Fleetwood Fish Meal Co., Ltd., Fleetwood, Lancs. 368,274. (Associated.)

"CRESOLEA": for a disinfecting-spray (2). By Campion, Innes & Co., Ltd., Hatton Garden, E.C. 368,679.

"SANICUTO": for all goods (3). By J. G. Robinson and C. Lowe, 8 Dene Crescent, Shotton Colliery, co. Durham. 368,464.

"FLEUZA": for a medicine for human use (3). By John William Hanson, 13 Bently Grove, Meanwood, Leeds. 368,675.

"LICROMINT": for a medicine for human use (3). By Cupal, Ltd., Phoenix Mill, Blackburn. 368,825.

"CLIMIC": for all goods (8). By Connolly Bros., Ltd., Blackley, Manchester. 368,632. (Associated.)

"VIMLETS": for an animal-food (42). By the Molassine Co., Ltd., Tunnel Avenue, East Greenwich, Kent, and 23 Mark Lane, E.C. 368,572. (Associated.)

Device including three dogs holding scroll bearing word "KENCREAM": for an animal-food (42). By Prideaux's Pure Casein and Life Food Co., 10 Hop Exchange, Southwark Street, S.E. 368,678.

"BRTMO": for tartaric acid, cream of tartar, and substitutes therefor, baking-powders, etc. (42). By the British Wheat Salts Co., Birmingham. 368,785.

"KARKI": for an aerated, non-medicinal beverage (44). By Smith & Thomas, 27 Barden Lane, Burnley. 367,402.

"SEBOLINE": in facsimile writing: for perfumery (48). By W. C. Ribbeck, 190 Great Brunswick Street, Dublin. 368,682.

## Limited Companies.

### New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

ZINC OXIDE MANUFACTURING Co., LTD. (P.C.).—Capital 5,000/. R.O., 38 Drury Buildings, Water Street, Liverpool.

LUTON CHEMICAL-WORKS, LTD. (P.C.).—Capital 25,000/-. The first directors are B. Laporte, The Bungalow, Harpenden, Herts, chemical-manufacturer, R. Stewart, H. Arnold, and H. E. Alcock.

WILLIAMS DRUG Co., LTD. (FOREIGN COMPANY).—Registered in Bombay, India. British address: 107 Bishopsgate, E.C., where H. H. McCarthy & Co. are authorised to accept service. Directors: H. H. McCarthy and F. Williams, 107 Bishopsgate, E.C.

J. F. ROWLEY, LTD. (P.C.).—Capital 2,000/., to carry on the business of manufacturers of and dealers in artificial limbs and surgical appliances, and as chemists and druggists, etc. The first directors are A. Leach and W. E. Isle. R.O., 49 Finsbury Pavement, E.C.

ACTOSE MANUFACTURING Co., LTD. (P.C.).—Capital 10,000/.. To carry on the business of manufacturers of and dealers in cellulose acetate, and substitutes therefor, and the business of chemists, druggists, etc. Solicitors, Durrant, Cooper & Hambling, 70-71 Gracechurch Street, E.C.

F. W. HAMPSHIRE & Co., LTD. (P.C.).—Capital 15,000/.. To take over the business of F. W. Hampshire, manufacturing chemist, Riverside Works, Derby, and to carry on the same and the business of wholesale, retail, and dispensing chemists, druggists, etc. The first directors are F. W. Hampshire (permanent governing director) and Mrs. E. K. Hampshire.

BLONDEAU ET CIE., LTD. (P.C.).—Capital 1,000/.. To carry on the business of soap makers, perfumers, farmers, livestock breeders, curers, preservers, millers, engineers, contractors, refiners, miners, manufacturers of and dealers in tallow, oil, glycerin, chemicals, colours, dynamite and other explosives, fats, cattle and horse foods, metal and furniture polishes, etc. The subscribers are Wm. Hulme Lever, Lower Bebington, and Edmund V. Salaman, Rock Ferry.

PELHAM SURGICAL INSTRUMENT Co., LTD. (P.C.).—Capital 5,000/.. To take over a leasehold interest for a term of years of and in certain properties in the rear of 27 and 29 Pelham Street, Nottingham, by the said J. Selby, G. H. Pannell, and J. Brown, trading as "Gray & Selby," and to carry on the business of manufacturers and sellers of surgical appliances and instruments. The first directors are J. Selby, G. H. Pannell, and J. Brown (managing director). R.O., Cobden Chambers, Pelham Street, Nottingham.

### Company News.

THE BANDONG (JAVA) QUININE-FACTORY has declared a dividend of 28½ per cent. for 1914, against 17½ per cent. for 1913.

EDWARD COOK & Co., LTD.—At the annual meeting held at the Soapery, Bow, London, E., on September 24, the Chairman (Mr. Thos. Alex. Cook), in the course of his speech, said that about 33 per cent. of the staff are now serving with the Colours, including two directors, Captain E. Leonard Cook and Captain S. Godfrey Hall. The company's balance-sheet for the past year showed steady and persistent progress of the business as the result of improvement in every department. During the year the company had been busy with Government contracts, but the goods had been supplied at ordinary trade prices and terms in competition with many other makers. Their profits were not "war profits," but steady trade profits made in spite of the war. The toilet-soap department, which had been equipped with new and most modern machinery, had worked full time with increased staff. The company's export trade had increased substantially, and, in spite of small losses sustained by the absence of orders from Germany, Turkey, and Austria, is well ahead of any corresponding period. Concluding, the Chairman paid a tribute to the loyalty and devotion of the staff, and he was justifiably proud to know that so many of them have been willing to risk their lives for their country. The company had been through a period of unprecedented difficulties, but, in the opinion of the directors, it now rests on a sounder, safer, and more assured basis than before.



## Increased Medicine-duties.

*Enforcement of double duties on dutiable medicines was on Tuesday evening postponed from Wednesday, September 29, to Wednesday, October 20. We report here a speech in the House of Commons by Mr. W. S. Glyn-Jones, M.P., and meetings of the Proprietary Articles Section of the London Chamber of Commerce and of the Proprietary Articles Trade Association, which united to ask the Chancellor of the Exchequer to postpone the incidence, and, on the recommendation of the Commissioners of Customs and Excise, Mr. McKenna agreed. Reports received from various centres and the latest from Parliament are also given.*

### Official Announcement.

We stated last week (p. 64) that the Commissioners of Customs and Excise would issue a statement regarding the new duties to every licensed vendor of dutiable medicines. There were 42,751 such vendors (including manufacturers, retailers, and wholesalers) in Great Britain in the year which ended on March 31. The statement was issued by the Commissioners on Friday, September 24, and as a document of considerable historic interest we append a facsimile of it.



## NOTICE. INCREASE OF MEDICINE STAMP DUTY.

By Resolution of the House of Commons, dated the 21st September, 1915, the rates of this duty have been DOUBLED as from the 29th September inclusive. The new rates of duty are as follows:

For and upon every Packet, Box, Bottle, Pot, Phial, or other enclosure containing any Drugs, Herbs, Pills, Waters, Essences, Tinctures, Powders, or other Preparation or Composition whatsoever used or applied, or to be used or applied, externally or internally, as Medicines or Medicaments for the Prevention, Cure, or Relief of any Disorder or Complaint incident to or in anywise affecting the Human Body, which shall be uttered or vended in Great Britain, where such Packet, Box, Bottle, Pot, Phial, or other enclosure with its Contents shall not exceed the Price or—

Value of One Shilling	s	d	0
Shall exceed 1 0 and not exceed 2 6	0	0	6
" 2 6 " " 4 0	0	1	0
" 4 0 " " 10 0	0	2	0
" 10 0 " " 20 0	0	3	0
" 20 0 " " 30 0	0	10	0
" 30 0 " " 50 0	1	0	0
" 50 0 " " "	2	0	0

Any articles stamped with the existing rates of duty must, on and after the 29th September, be stamped with the additional duty before being sold, or exposed to sale. Any person selling any dutiable medicine unstamped OR NOT PROPERLY STAMPED incurs a penalty of £10 in respect of every offence.

Medicine Stamps can be obtained at the office of any Distributor of Stamps or from any Collector of Customs and Excise who is also a Distributor of Stamps, from the office of the Controller of Stamps at Somerset House, or, on giving notice, at a Money Order Post Office.

Custom House, London,  
September, 1915.  
(L977) G255. 5008 5124 5142

The original is on buff paper measuring 13 in. by 8 in. Two misprints occur in the above; 3s. in the £ s. d. column should be 4s., and 10s. should be 6s. The Commissioners of Customs and Excise inform us that they will be issuing another circular correcting these errors and dealing with the altered date.

### In the House of Commons.

Consideration of the Budget proposals was resumed in Committee of Ways and Means on Thursday afternoon, September 23, and in the course of the debate Mr. Glyn-Jones caught the Speaker's eye. The following is his contribution to the debate as "taken down" by the C. & D. representative in the gallery:

I wish to refer to the proposal to double the duties on what are wrongly called "patent medicines." The proper

designation is really "proprietary medicines." The object of this increase is either to raise revenue or to discourage consumption, or to achieve both those ends. The right hon. gentleman established a Departmental Committee, which sat for about two years, and reported on August 4, 1914, on the whole question of these proprietary medicines. I do not propose to trouble the House with anything but one fact. They found this:

"That these remedies are of a widely different character, comprising:

(a) Genuine scientific preparations;

(b) Unobjectionable remedies for simple ailments; and

(c) Many secret remedies making grossly exaggerated claims of efficacy, causing injury by leading sick persons to delay in securing medical treatment; containing in disguise large proportions of alcohol; sold for improper purposes; professing to cure disease incurable by medication; or essentially and deliberately fraudulent."

In other words, that Committee divided these medicines, all of which are at present taxable, into three classes: Firstly, genuine scientific preparations; secondly, unobjectionable simple remedies for simple ailments; and thirdly, those which were objectionable from the point of view that they were either dangerous or fraudulent. If the object of this tax is to raise revenue, surely it is an illogical and unscientific tax. I cannot think that the right hon. gentleman thinks it for a moment, but if any body in the House thinks that by this tax you are going to reach some of the profits of the so-called millionaires who are making great fortunes out of proprietary medicines, it is quite a mistake, because of all the indirect taxes that I know there is no tax easier to pass on to the consumer than the tax upon a proprietary article. It is quite obvious that this additional tax will be borne by the consumer. In the great majority of cases the consumer belongs to the industrial classes. So much the better, it may be said: this will be one of the ways the Chancellor may have of getting the industrial portion of the population to bear their proper share of the burden. But the right hon. gentleman must see that the portion of the industrial classes you are taxing in this case are the sick, and to suggest that you are to take advantage of the man who needs one or other of these first two classes that the Committee refers to—namely, those that desire to take genuine scientific preparations or unobjectionable remedies for simple ailments—is, I think, not arguable.

It may be said that this tax has a double object: that it is intended, and should be used, to curtail the consumption of these articles. The Chancellor says that the extra yield of the new taxes will come to 250,000*l.*, which means that on the present estimate—that is, the present amount realised, 330,000*l.*—that the Chancellor is budgeting for a decrease in these medicines of 12½ per cent. I do not think he will argue that it is a proper thing to seek to lessen the consumption of the first two classes referred to by the Committee. He may argue that he wants to reach the third class—those medicines which are fraudulent or harmful. Surely, if that is so, this is the most absurd way that I know to deal with the matter. What does it amount to? To this: to say that if there are fraudulent or harmful medicines being sold to-day, on which the right hon. gentleman takes a stamp of 1½*d.* in the shilling, that it is an improper thing, and should be stopped; but that if a quack or fraudulent maker is prepared, with the help of the Government, to go on defrauding or poisoning his victims, he may do that, provided that the victim in addition pays in the future an extra tax on his bottle. Really it is absurd to try to protect the ignorant from the third class of proprietary medicines by making him pay an extra 1½*d.* while being so defrauded and injured.

What, however, I do want specially to ask the attention of the Government to is this: September 29 has been fixed as the date upon which these new taxes are payable. Only this afternoon the manager of a large firm of wholesalers handling these things told me that of six articles alone he has to-day in his warehouse a sufficient number to require 53,512 extra stamps. I hope the House understands that these articles are now stamped. That is just one instance. That manager will have to unpack in all sorts of forms and in all kinds of cases these various articles, and they will have to be reopened and restamped. I can assure the Government that the view taken by a meeting of the trade this afternoon was that it was really a physical impossibility to restamp the existing stocks by September 29. They are asking the Government, if they are to proceed with the tax—because this trade, as all other trades, is not going to carry to any length their protest at such a time as this against the additional tax—to consider the facts. They say the Government should be reasonable in these matters. Incidentally, may I say that it is not many months since the Government were dealing with spirits? They made a hopeless muddle of the matter

in so far as it applies to medicines. Complaint was then made that the authorities did not approach the people who understood the business in order to hear what they had to say about it. What has happened in regard to these medicines? So far as we have been able to ascertain, the Government have consulted no one whatever who could give them any definite knowledge based upon actual experience. The consequence is that they put forward this proposal, which from a practical point of view is impossible. I know perfectly well that the Government cannot give the public notice of ordinary indirect taxation. The Government cannot call a trade together and say, "We shall proceed in the Budget to tax tea, or coffee, or cocoa." In regard, however, to these medicines there was no danger of forestalling. Forestalling cannot take place, because the tax is payable as announced. The best evidence that the tax could not be forestalled is that the resolution gives the trade a week's notice, so, if there was any forestalling to be done, there was a week in which to do it. It is quite clear that the reason that those dealing with these matters were not consulted was not the danger of the tax being forestalled. I do say to the Government that the business men who are not politicians have to judge the capacity of the Government by what they understand. When business men have a proposal such as this, expecting that the impossible should be done by September 29, what do they say? They say: "If this is how the Government act in matters that we can understand, we can quite accept the stories of muddling in other directions." I want to make an appeal to the Government that they will, at any rate, give some further time for this stamping to be done; that they will receive a deputation from the trade, and hear what these gentlemen have to say, with the view of making some modification in the incidence of the tax. I can only again say that I do hope the Government will sooner or later learn that there are people in all trades whom they can trust, and that they might just as well take advantage of any absolute technical knowledge that can be given them, as this is the second instance in a trade that I know something about of making what the responsible people in the trade realise to be unnecessary blunders, and giving unnecessary trouble not only to themselves, but to the Department. I ask the House to forgive me for having raised this matter, but it was my only opportunity of dealing with it, in order that if anything is done at all it should be done before September 29.

#### Manufacturers' Meetings.

A meeting of the Council of the Proprietary Articles Trade Association was held in the Salisbury Hotel, Fleet Street, London, on Thursday afternoon, September 23. Mr. William Edwards presiding, when the following resolution was agreed to and ordered to be forwarded to the Chancellor of the Exchequer (*C. & D.*, September 25, p. 49):

"That the Association protests against the increase in the medicine stamp-duty on proprietary medicines, on the ground that sick persons who are consumers of proprietary medicines against which no complaint can be made will be called upon to bear the burden, and that, if the object of the tax is to lessen the consumption of such articles as may be considered objectionable, this should be dealt with other than by taxing the consumer."

It was also decided to ask for an alteration in the scale as follows:

Articles to the value of 1s. 3d.	to bear a 3d. stamp.
" " " " 3s. 3d.	" 6d. "
" " " " 5s. 0d.	" 1s. "
" " " " 12s. 6d.	" 2s. "

Further, to urge the adoption of a small adhesive stamp to represent the additional duty which could be placed upon the outside of the package. The following were appointed to form a deputation to the Chancellor:

*Manufacturers' Section:* Mr. T. Hinds (Scott and Bowne) and Mr. Page Woodcock.

*Wholesale Section:* Mr. E. Pickering (F. Newbery & Sons, Ltd.) and Mr. G. H. Burroughs (J. Thompson, Ltd.).

*Retail Section:* Mr. C. B. Allen and Mr. J. Keall. Or to combine with any deputation appointed by the manufacturers.

The Proprietary Articles Section of the London Chamber of Commerce met in the house of the Chamber on Friday, September 24, at 2.30 p.m., when, in the absence of the Chairman (Sir Joseph Beecham), Mr. T. Wyld (Keatings, Ltd.) was voted to the chair. The meeting was largely attended. Mr. Kenningham (Condy & Mitchell, Ltd.) explained at the outset that in the name

of the Chairman he had telegraphed to the Chancellor of the Exchequer explaining that the time allowed for the incidence of the new duty was too short, and asking for delay. A general discussion followed, the members being practically unanimous about the futility of protesting against the additional duty, and various expedients for overcoming the difficulties were discussed. It appeared that these difficulties were:

(1) A famine in stamps, which were unobtainable in London at the time.

(2) Enormous demand on labour and time in merely affixing the stamps.

(3) Probable spoiling of the packets of medicines.

In the course of the discussion it was mentioned that one distributor alone had nearly a million packets of dutiable medicines in stock which were to be restamped before September 29, and the necessary stamps were unobtainable. It was suggested that the Excise Commissioners should in the meantime surcharge postage-stamps for additional stamping; these would be better than the ordinary medicine-stamp, but the suggestion most favoured was that there should be a special war stamp. Mr. John C. Umney promised to put these and other suggestions before Sir Arthur Tedder, Commissioner of Customs, with whom he was having an interview that afternoon. The meeting did not agree with the P.A.T.A. Council's resolution, and thought that it would be better to concentrate upon an appeal to the Chancellor to postpone enforcement of the double duty.

All this was of a conversational nature, and the members were guided by the solicitor to the Section (Mr. T. McKenna, brother of the Chancellor), who was of opinion that it would be waste of time to oppose the tax, which he considered to be permanent. The members adjourned to the meeting of the Manufacturers' Section of the P.A.T.A. in the Salisbury Hotel at 3 o'clock.

At the amalgamated meeting Mr. Hinds, on the motion of Mr. Umney, took the chair. He deprecated opposition to the tax, and after a statement from Mr. Glyn-Jones it was agreed not to oppose the new duties. The question of delay was then gone into and the following resolution was adopted:

"That this meeting, while protesting against the proposed taxation, does not at the present time wish to press its objection; but, in view of the short time elapsing before the new taxes on proprietary and patent medicines come into force, and the impossibility of complying with the requirements of the Customs, the Chancellor of the Exchequer be asked to postpone the working of the taxes until November 1 or until such later date as shall be twenty-one days after the authorities have supplied the necessary additional stamps."

It was agreed to adopt the P.A.T.A. Council's proposal, and the following were appointed to act with P.A.T.A. members as a joint deputation:

Mr. J. C. Umney (Wright, Layman & Umney, Ltd.).

Mr. Glover (Thomas Beecham).

Mr. Ratcliffe (A. J. White, Ltd.).

Mr. Kenningham (Condy & Mitchell, Ltd.).

Mr. J. Lawson (Boots, Ltd.).

Mr. McClellan (Foster, McClellan & Co.).

"One Who was Present" informs us that a retail member stated that there had been a considerable run on patent medicines, the public buying in increased quantities, and since the announcement of the increase he had sold 50 per cent. more patent medicines. Another gentleman suggested that not only should the patent medicines be stamped, but also colourable imitations of the same. To this suggestion Mr. Glyn-Jones replied that colourable imitations should not be legally sold; the remedy for this is the Law Courts, and it is no use going to the Chancellor of the Exchequer with a demand of this kind. The gentleman who made the suggestion said that the imitations that he particularly referred to were the preparations in the "Codex" which had been got up to run against patent medicines; these ought to bear a Revenue stamp. It was agreed that retailers should put stamps on their present stocks. Mr. Glover (Beecham's) remarked that already they had stamped a very large quantity of medicines so as to be ready by September 29, the date mentioned in THE CHEMIST AND DRUGGIST. Mr. Lawson (Boots) said that Sir Jesse Boot suggested that there should still be a 1½d. stamp for 6d. goods, thus enabling the 7½d. article to be continued.



Separate meetings of the Retail and Wholesale Sections of the P.A.T.A. Council were held, and their suggestions were submitted to the Executive Committee on Monday afternoon, September 27. The Executive recommended that in the changes of prices consequent on the increased duty which P.A.T.A. manufacturers found it necessary to make, they be asked to maintain the present percentage of profit, and that in those cases where for exceptional reasons the Association had accepted less than the standard percentage of profit, they would take this opportunity to readjust their prices so as to bring them up to the standard.

#### Official Interviews.

At the request of the Chancellor the deputation were received on Monday at 4.30 p.m. at the Customs House. They were accompanied by Mr. T. McKenna, Solicitor to the Proprietary Articles Section of the London Chamber of Commerce; Mr. F. J. Smith, of Messrs. Sangers; and Mr. Wm. Johnston, Secretary of the Chemists' Defence Association. The Commissioners undertook to report the result to the Chancellor.

On Tuesday, at twelve o'clock, Mr. Glyn-Jones met at the Treasury Mr. Montagu, the Financial Secretary, and the officials of the Treasury and the Customs and Excise. As a result of the interview it was arranged that he should put an urgent question that afternoon in the House.

#### Incidence Postponed to October 20.

Mr. W. S. Glyn-Jones, M.P., asked the Chancellor of the Exchequer at the close of questions in the House of Commons on Tuesday afternoon, September 28, a question of which he had given him private notice. It was as follows:

Whether he has considered the representations which have been made to him regarding the great difficulties in the way of re-stamping by to-morrow the existing stocks of articles liable to patent-medicine duty, and whether he is now prepared to make an announcement on the subject.

Mr. McKenna: The Commissioners of Customs and Excise, who have discussed this matter with the representatives of the trade, have reported to me that, in their opinion, a good case has been made out for postponing the operation of the duty, and I propose therefore to ask the House to-morrow to agree to a postponement to October 20.

We understand that the Proprietary Articles Trade Association immediately informed by telegram and telephone leading manufacturers and others of this result, and posted the following statement the same evening to all members of the Association:

"The Association has been busily engaged in trying to convince the authorities of the enormous difficulties of having existing stocks of medicines re-stamped by Wednesday, September 29. They have succeeded. Patent medicines need not be stamped with the extra duties to-morrow, Wednesday, the original date fixed. The Government have postponed the date when it will be necessary to sell to the public the medicines bearing the increased duties until October 20. It is possible that a small adhesive stamp will be provided for use on articles bearing stamps at the present rate. This notice is being sent to members of the Association in view of the fact that otherwise they would not have known how to act until they received a notification in the trade papers at the week-end."

On the report of the Budget resolutions in the House of Commons on Wednesday, September 29, the matter again came up, and was disposed of as follows:

Mr. McKenna: I beg to move: "That the words 'twenty-ninth day of September' ['That the Excise Duties now payable on medicines shall on and after the twenty-ninth day of September'] be left out, and the words 'twentieth day of October' be inserted instead thereof." It was represented to the Treasury and to the Customs Department that there would be very grave and, in fact, insuperable difficulties in restamping large quantities of patent medicines which had already been stamped, and that reasonable time must be given to the trade to enable them to conform with the law. In view of those representations, which we were quite satisfied were fair, reasonable, and honest representations, we ask the House to postpone the operation of the resolution on the tax from September 29 to October 20. I believe, in addition to this concession, that as a matter

of practice we shall have to admit of the use of an ordinary postage-stamp, properly cancelled, instead of the large special stamp which is usually affixed to patent-medicine bottles, but that is a mere matter of machinery for which no Parliamentary authority is necessary.

Sir H. Dalziel: Can the right hon. gentleman say whether the dates he suggests are the dates suggested by the deputation and satisfy the trade?

Mr. McKenna: I understand so. I understand that they satisfy both the Customs Department and the trade.

Mr. Glyn-Jones: The trade is very grateful to the Chancellor of the Exchequer for this extension of time. It would have been, as he says, absolutely impossible for them to have prepared their stocks by to-day, and the small stamp which I understand he has promised to provide will also enable them quite definitely to have their goods ready for legal sale by October 20. There is one other matter which I should like to press upon the Chancellor of the Exchequer. The trade also made a further suggestion about the alteration of the scale. There has really been no time between the receipt of the deputation by the Chancellor of the Exchequer and to-day for him to have fully considered what they had to say about the scale on which the duty is based, but I ask him before the Finance Act is drafted to be good enough to carefully consider the proposals which they made, not to modify the stamps, but the values which the stamps are to carry.

It was accordingly resolved:

"That the Excise duties now payable on medicines shall, on and after the twentieth day of October, nineteen hundred and fifteen, until the first day of August, nineteen hundred and sixteen, be doubled, and a duty shall be charged on the first sale on or after the twentieth day of October, nineteen hundred and fifteen, of any medicines on which the duty now payable has been paid equal to the amount of the duty originally paid.

"And it is declared that it is expedient in the public interest that this Resolution shall have statutory effect under the provisions of the Provisional Collection of Taxes Act, 1913."

#### How the Public Takes It.

We have received a number of independent reports from chemists as to the attitude of customers at the counter, and subjoin them without comment:

BRIGHTON.—The few customers who have mentioned the increase in the duties have done so in no antagonistic spirit.

CARDIFF.—I received a wire from Mr. Glyn-Jones to the effect that the stamp-duty was postponed till October 20, and under the circumstances I notified all chemists of the Association to this effect.

DUNDEE.—The official notice of increase of medicine stamp-duty was in the hands of Dundee chemists by Monday night. Shortly after the Stamp-office opened on Tuesday morning the stock of stamps was exhausted. Fresh supplies were promised for Wednesday morning. Several callers had made the suggestion that 1½d., 3d., and 6d. postage-stamps would be a convenient substitute in size and in being gummed, besides being easily recognisable by purchasers as the addition required by law. A large sum of money was drawn at the Stamp-office on Wednesday morning before the officials in charge were made aware of the postponement of the new duty. The intimation appeared in the local papers' Parliamentary report.

Mr. James Anderson writes: "Dundonians are very loyal, and were contentedly prepared to pay the double duty on patents. Nevertheless, their loyalty did not prevent them buying up as many of their popular remedies as they possibly could before the 29th, and few of our chemists have any stock of those left. The extra three weeks allowed for the proper stamping of the stocks is a very proper concession, as the time originally allowed was nothing like enough."

EDINBURGH.—The increased medicine duties have not been well received. Actual purchases have brought home to consumers the true meaning of the increase. The addition of 1½d. to an article sold at 10½d. is not greatly resented; but 1s. 2½d. for one advertised at 1s. 1½d. and usually sold at 1s. 1d. is regarded as robbery; and the extra 6d. on the 4s. 6d. sizes is regarded as prohibitive. "Threepence duty on a shilling tube of tooth-paste," said one client. "No more for me at that price, thank you." Proprietors of stamped advertised medicines would do well to reduce, where possible, the price corresponding to the increase in duty so as to maintain the price to which purchasers have been accustomed.

GLASGOW.—The news of Mr. Glyn-Jones's success in securing postponement of the new tax has been hailed with satisfaction all over Scotland. Especially pleasing is it to wholesalers. Arrangements are on foot in various centres for a uniform increase in prices not only of stamped patents, but of all proprietaries and drugs.

**LIVERPOOL.**—Members of the trade and their assistants have had a busy time in affixing the additional duty-stamps to patent medicines for sale on or after September 29. In many cases late hours were worked on Tuesday night, but all felt that they were "doing their bit," or a portion of their bit, for the sake of a trade cause. At the meeting of chemists on Wednesday (p. 56) Mr. Last drew attention to the postponement of the duties. Nothing was generally known of the result of the deputation until Tuesday evening. Telephone messages were then sent round by wholesalers to retail chemists. Wherever the message reached its destination the stamp-licking was stopped and thanks passed for the three weeks of breathing time. In numerous cases, though, the message missed fire, and the stamp-licking went on merrily and with patriotic fervour, but the portion of stock stamped will have to be set aside until October 20. Many pharmacists sold at the increased prices on Wednesday until the respite became known to them.

**MANCHESTER.**—I served two customers this morning before I knew that the duty had been postponed. One customer I charged 9d. for a 7½d. article. No objection or comment. The other had a 2s. 9d. Angiers, on which I put an additional 3d. stamp, when the customer remarked in an optimistic kind of tone, "Well, I suppose we can't all fight, so we must pay." I learnt later that the increased duty was suspended until October 20. It is a great pity these decisions are not made sooner and officially. It would save all the confusion which has arisen to-day.

**SOUTHAMPTON.**—No grumbling so far as we are concerned; 5s. paid readily for Scott's Emulsion. "Has the Budget come into force already?" asked one customer. This was before the P.A.T.A. notice was received on Wednesday forenoon. An experienced trader is strongly of opinion that the new tax will kill the "patents" business.

## Westminster Wisdom.

By the "C. & D. Parliamentary Representative.

### BACTERISED PEAT.

Mr. Ginnell is next week addressing questions to the Departments of Agriculture in England and Ireland as to grants towards experiments and research in bacterised peat as a fertiliser.

### CO-OPERATIVE SOCIETIES AND INCOME-TAX.

The suggestion is being made to the Chancellor of the Exchequer by Lord Claud Hamilton, M.P., that the large profits made by co-operative societies should be assessed for income-tax. It is felt that as these bodies compete against the ordinary trader they have hitherto received an undue preference.

### LORD HALDANE'S POSITION.

The Prime Minister informed Sir Richard Cooper, M.P., in the House of Commons on Tuesday that Lord Haldane is still Chairman of the Board of Trade Committee on the Supply of Chemical products.

Sir Richard Cooper: Is Lord Haldane taking part in the administration of any Government Department? The Prime Minister: I don't know why that question is put, and I do not think I am called upon to answer it.

### SHOP-ASSISTANTS AND THE WAR.

Our Parliamentary correspondent understands that the Report of the Departmental Committee appointed by the Home Secretary to investigate the question of recruiting in the various business establishments throughout the country is about to be issued. It has been demonstrated that as many as 357,000 shop-assistants and others have joined the Colours since the commencement of the war. The Committee make certain recommendations, which will, it is thought, still further stimulate national patriotism.

### THE INSURANCE COMMISSIONS.

In reply to Mr. Hogge in the House of Commons on Wednesday, the Prime Minister stated that the question of the reorganisation of the departments of the National Insurance Commissions is under the consideration of the Retrenchment Committee, presided over by the Chancellor of the Exchequer, and until that report is received he is unable to make any announcement on the matter. The hon. member had asked whether the separate existence of the Scottish Insurance Commission is threatened, as has been suggested in the public Press.

### SPIRIT FOR HOSPITALS.

In the House of Commons on Wednesday, Mr. Percy Harries, M.P., asked the Chancellor of the Exchequer whether he intends to introduce a clause in the Finance Bill to provide the relief from spirit-duty promised to hospitals; if not, will he bring it in as a Vote in Supply; and whether, if the latter course is pursued, there will be any delay in the receipt of this relief by the hospitals.

The Chancellor of the Exchequer replied that he proposed to submit a Vote in Supply at the earliest suitable possible opportunity.

Mr. Leif Jones inquired whether the right hon. gentleman could not see the propriety of basing the amount of the rebate on the number of patients treated.

The Chancellor of the Exchequer was understood to say that it is proposed to proceed upon other principles.

### HIGH-GRADE CHEMICALS.

Apart from Mr. Glyn-Jones's speech on the doubled medicine-duty, Sir Richard Cooper, Bart., spoke on September 23 on the Budget proposals. He said he believed he was right in reminding the Committee that the means by which the Government have thought it right to obtain sulphuric acid for their requirements, in the light of information which has been brought before the public, is only another case where extravagance is being incurred unnecessarily. The War Office is pressing for the supply, at almost any cost, of certain high-grade chemicals which have not hitherto been produced here. One or two, or more, men get together, and say: "The War Office want these things. They will pay almost any price for them; we can produce them at a much lower cost, and we may as well make them and pocket the money ourselves." After all, that is only human. This thing happened just before the Budget came out. The men said: "If we put our money into a factory, and start making these high-grade chemicals, and the Government are going to take the profits, and when the war is over we are going to be subject again to dumping from abroad, it will be better for us to go to the United States at once and start making the chemicals there, as we shall be safe afterwards, and more than that the British Government cannot touch our profits, and cannot take a penny of them." The honourable baronet vouched for the accuracy of this statement.

## Wills.

MR. HENRY SPURS DAVISON, chemist and druggist, Gateshead, who died on July 22, left estate valued at 661l. 12s. 6d. gross.

THE late William Harvey Julian, J.P., Penzance, formerly in business as a chemist at Clifton, left estate of 8,296l. 8s. 10d. gross personality.

## London Panel Committee.

At last week's meeting the Departmental Committee's Report on the Drug Tariff was fully discussed and the following resolution passed:

"That the Panel Committee are of opinion (a) that the medical profession should oppose any proposed alteration in the Medical Benefit Regulations which may provide for the chemists' bills being paid in full, and for the Drug Fund being made a first charge upon the Medical Benefit Fund, without the provision of a special fund to meet any excess in the cost of drugs beyond 2s. per insured person. (b) That, in view of the differences which exist in the incidence of sickness in various parts of the country, it is inequitable that each local Drug Fund should consist of 2s. per head of the insured population. (c) That a differentiation in the amount of the Drug Funds of the various areas might well be secured by the award of special grants to necessitous areas from a central fund made up of the whole or a portion of the amounts by which the cost of drugs in any area may fall below 1s. 6d. per insured person. (d) That control over any tendency toward excessive prescribing by practitioners should not be secured by an automatic surcharge of every practitioner, the total cost of whose prescriptions exceeds a fixed amount per insured person, with or without some form of relief in special cases, but by continuous scrutiny by the Panel Committee of the prescriptions issued, and by surcharge on the present basis of practitioners prescribing extravagantly, with the elimination, however, of the interest therein of the Pharmaceutical Committee."

Various amendments were discussed, but were defeated. The Committee also dealt with excessive ordering of drugs.



## Births.

Authenticated notices are inserted without charge.

**BOOT.**—At Manor Park, Ruddington, Notts, on September 26, the wife of Captain John Campbell Boot (T.F.), of a daughter.

**PETRIE.**—At Cape Town, on August 29, the wife of D. L. Petrie, chemist, Hanover Street, Cape Town, of a daughter.

## Marriages.

Authenticated notices are inserted without charge.

**CHERRY—ROHR.**—At St. James's Church, Sea Point, Cape Town, on August 24, by the Rev. J. Deacon, Rector, William Stokes Cherry, of Hopkins & Cherry, chemists, Woodstock and Salt River, fourth son of the late Frederick A. Cherry, Kingstown, Dublin, to Annie Catharina Rohr, sister of H. F. W. Rohr, Albany Road, Sea Point.

**GREEN—PROSSER.**—At Christ Church, Summerfield, by the Rev. H. Montague Dale, on September 22, Walter William Green, eldest surviving son of the late William Green and Mrs. Green, Coleshill, to Dorothy, elder daughter of Mr. F. H. Prosser, Ph.C., and Mrs. Prosser, Selwyn Road, Edgbaston.

**MCBIRNEY—MORRISON.**—At Kilhorne Parish Church, Annalong, by the Rev. Henry McKnight, M.A., on September 23, Robert Brownlow McBirney, registered druggist, second son of Mr. Edward McBirney, the Medical Hall, Kilkeel, to Sarah, youngest daughter of the late Edward Morrison, Bloomfield, Belfast.

**NISBET—HENDRY.**—At the Douglas Hotel, Aberdeen, by the Rev. A. Hood Smith, Newmachar, on September 24, Peter Nisbet, chemist and druggist, Leith, to Annie, elder daughter of Mr. and Mrs. A. Hendry, 12 Summerfield Terrace, Aberdeen.

### Golden Wedding.

**REYNOLDS—COLEBROOK.**—At the Congregational Church, Guildford, on September 21, 1865, Freshfield, son of Charles and Lucy Reynolds, to Louisa, daughter of William and Mary Ann Colebrook. [Mr. and Mrs. Freshfield Reynolds now reside at Mynd House, Gloucester.]

## Deaths.

Authenticated notices are inserted without charge.

**COX.**—At Foro Street, Hatfield, Hertfordshire, on September 3, Mr. James Cox, chemist and druggist, aged seventy-six.

**FAIRFUL.**—At Dundee, on September 23, Mr. Charles Fairful, chemist's manager, aged sixty-four. Mr. Fairful was the son of a coachman in the service of the late Dr. Lyall, Dundee, and assisted in the doctor's surgery. He then passed into the employment of David Russell & Son, chemists, Nethergate, where he remained for the greater part of his life and became well known to many in the trade as well as to the public. Since the death of Mr. James Russell he had been with Mr. A. Y. Barrie and with Mr. R. Guild Strachan, local pharmacists, who, with Mr. John Hodge, a most faithful friend, were present at the funeral.

**HANDSON.**—At Eastbourne, on September 13, Mr. Charles Handson, chemist and druggist, aged eight-one. Mr. Handson was for long in business at Stamford, where he served on the Corporation, and in 1877 as Mayor of the borough.

**JAGGER.**—At Southsea, on September 14, Mr. Frank Jagger, Ph.C., aged twenty-three. Mr. Jagger died from prussic-acid poisoning, and a coroner's jury returned a verdict of suicide while of unsound mind.

**KAY.**—At the residence of his nephew (Mr. F. W. Hollingworth, Ph.C.), 34 Hillcrest Avenue, Leeds, Mr. William Kay, late of Stainland, aged eighty. Mr. Kay was a pharmacist of the old type. He was a native of Osmotherley, near Northallerton, and served his apprenticeship with the late William Warrior, of Northallerton. In the Halifax district, where Mr. Kay was in business for over forty-five years, he was well known and highly respected.

**LANE.**—At Plymouth, suddenly from heart failure, on September 23, Mr. David Lane, East Dulwich London, S.E.,

aged sixty. Mr. Lane was for over thirty years town representative of Ford, Shapland & Co., chemists' printers, London. He was a native of Plymouth, and in his capacity as traveller he was known to, and highly thought of by, many in the drug-trade, while socially he had a wide circle of friends, being a Bible-class and Band of Hope worker.

**LITTLE.**—At Rose Villa, Wigton Road, Carlisle, on September 22, Maria, widow of the late Robert Little, chemist and druggist, Carlisle, aged seventy-seven.

**MAGNUS.**—At Harrogate, suddenly, on September 27, Mr. Isidor Magnus, of 26 Fallows Road, Hampstead, and of Geo. Haller & Co., 52 Leadenhall Street, London, E.C., aged fifty-four. The late Mr. Magnus joined the firm of Geo. Haller & Co. (which was established in 1873) in 1886, and eventually became a partner.

Though not originally brought up to the chemical and drug trades, he quickly became conversant with the business, and the special lines, such as glycerin, olive, cod-liver, castor, and other fixed oils, fats, etc., claimed his attention. He was a very keen and energetic man of business, and attended 'Change regularly ever since he entered the firm, being highly esteemed by all with whom he did business. About three weeks ago he went to Harrogate for the purpose of taking a cure, and while there an internal trouble developed, and he died suddenly on Monday morning as a result of internal hæmorrhage and heart-failure while his wife was reading aloud to him a letter from their son, who is an officer with the British Forces in France. Mr. Magnus also leaves two daughters.



MR. I. MAGNUS.

**PLANCHON.**—At Montpelier, on September 8, Dr. Louis D. Planchon, L. ès Sciences, aged fifty-eight. Dr. Planchon was a corresponding member of the Pharmaceutical Society.

**TREE.**—At 56 King's Road, St. Leonards-on-Sea, on September 11, Margaret, widow of the late Frederick Tree, chemist and druggist, St. Leonards.

**WOOD.**—At the Botanic Gardens, Durban, Natal, on August 26, Dr. John Medley Wood, A.L.S., aged eighty-seven. Dr. Wood was a native of Mansfield, Nottinghamshire, and had resided in Natal for the past sixty-three years. For a time he was associated in business with his father, Mr. James Riddall Wood, who practised as a solicitor and notary public, and later he went trading to Zululand, afterwards taking up farming, devoting himself particularly to experiments with arrowroot and castor-oil cultivation. Thirty-three years ago he was offered the Curatorship of the Durban Botanic Gardens, and was subsequently appointed Director. When the Gardens were handed over to the Corporation Dr. Wood became Director of the Natal Herbarium, which was taken over by the Government. For over thirty-three years Dr. Wood pursued the study of the Natal flora and his work became his hobby. He did much to improve the sugar-planting industry of the Colony. He was an Associate of the Linnean Society and was engaged in writing a valuable book on "Natal Plants," six volumes of which have already appeared.

### Killed in Action.

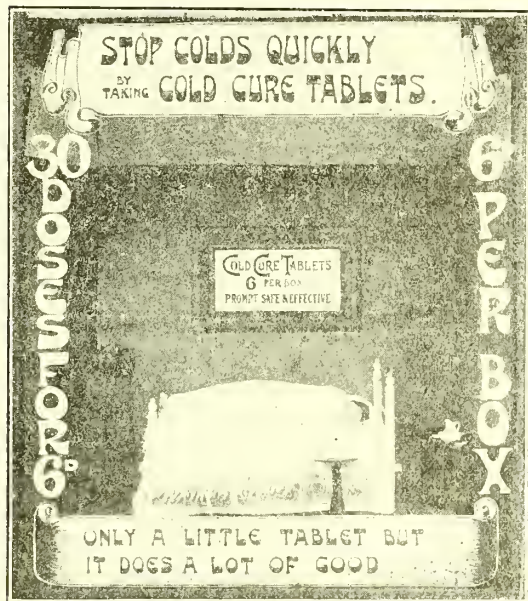
**BOYCE.**—Killed in action, at the Dardanelles, on August 21, Trooper John Henry Boyce, Royal Bucks Hussars, only son of Mr. Henry Boyce (B. A. Smith & Co., 4 Church Row, Aldgate, London, E.), and grandson of the late Henry Boyce, Beccles, Suffolk, aged twenty-six. "Dulce et decorum est pro patria mori." A portrait of Trooper Boyce was given in our issue of last week (p. 50).

**JONES.**—Killed in action at Hill 60, France, F. Jones, King's Shropshire Light Infantry, lately porter with Chavo & Jackson, Ltd., chemists, Hereford.

**PHARMACEUTICAL PRODUCTS IN ARGENTINA.**—The United States Consul at Rosario, in a report to the Washington authorities, deals with the scarcity of certain pharmaceutical products in Argentina as a result of the war. Castor oil, he says, has gone up 20 per cent.; aspirin is sold at extravagant prices. Acetic acid is scarce, and as Argentina is a large consumer of tartaric acid the home production is insufficient. Iodine is difficult to obtain from Chile.

## Chemists' Windows.

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.



### This Bedroom Scene

was very effective and attracted a lot of attention, from children to grown-ups. The wall-paper, with white frieze at top, was suspended from top of window, the returns at each side being made to fit in with back. The photograph hardly does justice to the actual room effect, as the whole display was not deep enough from a photographic point of view. The picture hung at the back was a paper-framed showcard stuck on the wall-paper, while cord was affixed to give the necessary effect. The wardrobe on the left was made out of cardboard, as also was the table in front of bed, and the dressing-table on the right was a toy. The furniture was painted green. The bedstead, another box, was in white enamel, and the doll (an old wooden one discarded by the youngsters) with various streakings on the face showing physical discomfort, and huge piles of clothes, amply testified to what the patient was suffering from. A nice strip of red carpet was at the side of bed, the whole floor being covered with linoleum. Paper strips at top and bottom and cut-out paper letters at side were stuck on the window. To those who desire to make a similar display I would advise them to work details out very carefully before beginning, as only those who are prepared to go into details will realise how much adjustment has to be made to get the correct effect.—H. A. Martin (Leicester).

## Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. W. NAUMANN has removed from 63 Bartholomew Close to 40 Charterhouse Square, London, E.C.

BOYD, WILSON & Co. have commenced business at 6 Harp Lane, London, E.C., as drug, oil, and wax merchants.

CAMPBELL & Co., London and Bordeaux, have removed from 9 and 10 Fenchurch Street to 4 Brabant Court, Philpot Lane, E.C.

PRESERVING KIDNEY BEANS.—Mr. J. H. Smith, Ph.C., Newark, writing to the "Daily Mail," says kidney beans, preserved by the following method, will keep for six months or more: In an earthenware jar of from one to four gallons capacity place alternately a layer of common salt and a layer of beans, as gathered. Tie down and keep in a cool place. Glass jars answer equally well if covered over with brown paper to keep out the light.

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MISS G. N. PHILIPP has been appointed assistant dispenser to the Nottingham parish.

ALDERMAN OWEN A. CLARK, chemist and druggist, of Nunn, Hinnell & Clark, chemists, Abbeygate Street, Bury St. Edmunds, has been invited to retain the Mayoralty of the borough for another year.

MR. H. T. HALL, chemist and druggist, Selly Park, Birmingham, has passed the Matriculation examination of Birmingham University held in September, and will enter on the five years' curriculum for the M.B., Ch.B. degree of the University on October 5. Mr. Hall informs us that he will retain control of his retail establishments while prosecuting his medical studies.

MR. THOMAS J. WHIFFEN, of Whiffen & Sons, Ltd., Lombard Road, Battersea, London, S.W., met with a somewhat serious accident on Tuesday, being knocked down by a cyclist telegraph-messenger near the company's works. Mr. Whiffen is now a patient at St. Thomas's Hospital, but his friends will be glad to hear that he is in no danger, and is recovering rapidly from his injuries; he hopes to be about again in a few days. We note that "The Times" Literary Supplement of September 23 contains a highly appreciative review of a book on the Amazon, written by Mr. Whiffen's eldest son, Captain Thomas Whiffen, who explored the river a few years ago as to its rubber possibilities.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).

Telephone Number: 3617 CENTRAL (three lines).

## INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- |                              |           |                            |                  |
|------------------------------|-----------|----------------------------|------------------|
| 237/21. Celluloid            | Tooth-    | 242/30. Stevens'           | "Silicon"        |
| brushes: manufacturers.      |           | polish.                    |                  |
| 236/39. "Charmette"          | beauty    | 240/65. Marshall's         | pea-flour.       |
| leaves.                      |           | 240/53. "Fa-vergent"       | foot cream.      |
| 235/61. "Alboform"           | lozenges. | 239/28. Second-hand        | bottles:         |
| 235/74. "Upalcerol"          | (Bromural | suppliers.                 |                  |
| substitute).                 |           | 243/72. Waipole            | hot water        |
| 230/13. "Citrazine."         |           | bottle: suppliers.         |                  |
| 241/50. "Hygenitol."         |           | 243/37. Kola tonic.        | "The Con-        |
| 242/4. "Xitol" or "Xilol,"   |           | centrated."                |                  |
| used for removing grease     |           | 257/35. "Polvos de Juanes" | (1-oz. bottles). |
| from diamonds.               |           |                            |                  |
| 240/64. "O.B." dental-cream. |           |                            |                  |

## INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

- |                             |                   |                         |                    |
|-----------------------------|-------------------|-------------------------|--------------------|
| Beauty vacuum massage cup,  | 228/53            | "Koko,"                 | 243/27 and 234/270 |
| Brand's essence of chicken, | 232/4             | Kola-nuts, importers,   | 231/34             |
| "Claroma"                   | catarrh scent,    | Lactic acid,            | 233/14             |
| 228/44                      |                   | "Malaccine,"            | 232/4              |
| Cold-box glue,              | 230/11            | Mate tea,               | 231/270            |
| Elastic webbing,            | 233/7             | Mirbane oil,            | 225/5              |
| "Epsoline,"                 | 229/47            | Oil of copaiba,         | 233/70             |
| "Florozon"                  | antiseptic spray, | Oleic acid,             | 225/5              |
| 228/10                      |                   | Opal pots,              | 230/11             |
| Gallalith,                  | 232/42            | Ovo lecithin,           | 228/62             |
| "Galyt,"                    | 232/5             | Packed drugs,           | 231/42             |
| Harlan's, Dr.,              | Beauty cups,      | Pancercatin,            | 232/3              |
| 228/53                      |                   | Parke's rheumatic-cure, | 229/48             |
| Harrison's eye-shades,      | 230/57            | Piver's perfumes,       | 232/4              |
| Harrison's pomade,          | 232/38            | "Poor Man's Plasters,"  | 228/33             |
| Japan wax,                  | 225/5             | "Renard"                | ponade hongroise,  |
| "Jellax,"                   | 231/65            | 231/68                  |                    |
| Kieselguhr,                 | 225/5             | "Subitol" tablets,      | 234/17             |
|                             |                   | Sulphur paper,          | 231/67             |
|                             |                   | "Tatcho,"               | 234/270            |



## Observations and Reflections.

By Xrayser II.

### The New Medicine-duties

are quite likely to effect a substantial reduction on the sale of this class of merchandise; but time alone can tell whether that will be more or less than the 13 per cent. on which Mr. McKenna reckoned. There may be a few people, in Parliament and outside it, who would like "patents" to be taxed out of existence, but it is evident that Mr. McKenna is not one of these, otherwise he would have imposed prohibitive duties even though the result were a loss to the revenue instead of a gain.

### By the Way,

the resolution of the P.A.T.A. Council against the increase is very badly worded, not to say ungrammatical, and is open to criticism on other grounds. The protest is in fact a mistake; it will have no effect, except to create an impression unfavourable to the trade, and the reason alleged for it is more than a little disingenuous. Mr. McKenna will take some convincing that proprietors are moved solely by consideration for sick persons, and he might without impertinence suggest that if they are troubled on this account they can, without incurring any disastrous loss, share the burden by reducing their profits. The only good point in the resolution (and this is very confusedly put) is that it is a vicious procedure to use this indirect means of checking the sale of hurtful or fraudulent preparations. Not only is this punishing the innocent with the guilty, but it is a crooked policy, and like all attempts to kill two birds with one stone, it is very likely to miss both of the marks at which it is aimed.

### Some of the Criticisms

of the Departmental Report contributed by your correspondents last week are very valuable, though several of the letters printed are beside the mark and show signs of prejudice. I am not a financial expert, and I have no means of checking the statement that we should lose from 15 to 20 per cent. by accepting the new scheme; but if this is true, I incline to its rejection. I question, however, whether we have sufficient data for such a statement. We must not go by the new Tariff alone, or mainly; the most important factor in the calculation is the proportion between prescriptions bearing a high fee and those with a low one, and here we are very much in the dark. The two points on which we must fight, if we *do* fight, are the establishment charges and the dispensing-fees; the Tariff may not be "commercial," but that does not matter so long as it does not entail positive loss; it would be good policy to accept the offered Tariff if by so doing we can secure better terms in more important respects. As I said last week, some sacrifice may reasonably be made for the sake of stability, but we ought not to accept lower payment, in proportion to the work and worry involved, than we should have had under the old scheme had there been no discounting. I should say that a sacrifice of 10 per cent. might be worth accepting, in view of the saving of time and labour and the other advantages to be gained, but hardly more. The new recommendations are put forth as a remedy for acknowledged grievances; they are farcical if, so far from remedying, they increase them.

### "The Effort to Keep Business Going

must not be relaxed, but intensified;" so writes F. A. Degen in the interesting article on advertising in war-time. I agree with the writer entirely. We ought not only to keep our goods before the public eye all the time, but, if possible, give them greater prominence than before, and the firm that keeps up its advertising during the war is the firm that will reap the benefit when peace comes. The public memory is exceedingly short, and if we once allow ourselves to drop out of sight it will not be easy to get into the limelight again, for someone else will have taken

up the running, and we shall be in danger of being permanently eclipsed.

### The Use of Hypochlorous Acid

is by no means a novelty, for it has been pointed out by several writers in the "British Medical Journal" that they have for many years been using the old official favourite, liquor sodæ chlorinatæ, which is an alkaline solution of hypochlorous acid. Undoubtedly the new solution is preferable, and if it is going to be as effective as has been claimed, it will soon be in great demand, so that Mr. Thomas Alexander's suggestions are most useful for those who want to make the solution extemporaneously.

### The Plant-name "Boneset"

has been discussed recently in one of our daily papers, a writer in which has declared that it means hemp-agrimony. This, of course, is a mistake; "boneset," in modern usage, means *Eupatorium perfoliatum*, whereas hemp-agrimony is *E. cannabinum*. The editor of the "Journal of Horticulture" takes occasion from the discussion to say that popular plant-names ought to be suppressed, as they cause endless confusion. No doubt they do; the same name is sometimes given to a dozen different plants, and the same plant may have a dozen different names; but names have an historical as well as a scientific value, and it is necessary to know how they have been used as well as how they are used now. The name "boneset" does not appear to have been common in England until the introduction of the American remedy that now bears it, but it was occasionally given to the great comfrey (*Symphytum officinale*), the *Consolida major* of our old herbalists. In Dr. John Pechey's "Compleat Herbal" (1694) it is so applied, as also by the better-known Ray, in his Catalogue of English plants. I have been surprised recently to find comfrey growing in a good many gardens in a neighbourhood in which it is very rarely found wild. I did not gather that its present cultivators make use of it medicinally, but it had once a very great reputation, not only as a strengthener and vulnerary, but for old coughs, and (as Gerard puts it) for "inward wounds and burstings" of all kinds. You recently called attention (May 1, Coloured Supplement) to its efficacy in stomach-cough, noted by Dr. William Bramwell in the "British Medical Journal," and possibly it is one of those old "simples" the use of which is worth reviving.

## Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

### Sunday, October 3.

Pharmacists' Voluntary Training Corps, Parade, 130 Horseferry Road, Westminster, S.W., at 10 A.M.

### Monday, October 4.

Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin. Annual meeting at 7.30 P.M.

### Wednesday, October 6.

Ucal Exhibition, Royal Hotel, Brighton, from 2 to 10 P.M.  
Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C. Council-meeting at 11 A.M. Opening of the Session, 3 P.M.

### Thursday, October 7.

Ucal Exhibition, Royal Hotel, Brighton, from 2 to 10 P.M.  
Western Pharmacists' Association. Reunion of members and friends at the Restaurant Frascati, Oxford Street, W. Reception by the President and Mrs. Melhuish at 7.30 P.M. Supper on the balcony later.

THE CHEMISTS' DENTAL SOCIETY will meet in the Holborn Restaurant, London, W.C., on October 20, at 6 P.M. for the Council and 8 P.M. publicly.

CHEMICAL SOCIETY.—The ordinary scientific meetings of the session will be resumed on Thursday, October 28, at 8 P.M. Three special lectures are to be given during the session, the first on November 18, by Dr. E. J. Russell, on "The Principles of Crop Rotation," and the subsequent lectures will be on February 3, 1916, by Professor W. H. Bragg, F.R.S., and on May 18, 1916, by Professor F. Gowland Hopkins, F.R.S.



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<b>NITRE</b> , powdered	9d. lb.	Finest Pure	
<b>FLOWERS OF SUL-</b>		<b>STARCH POWDER</b>	23/cwt.
<b>PHUR</b> , Finest English	19/cwt.	Finest Pure <b>TOILET</b>	
Ditto Foreign	17/-	<b>OATMEAL, SPECIAL</b>	35/cwt.
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## Editorial Articles.

### Medicine-duties.

AFTER some strenuous work, representatives of proprietary-medicine interests succeeded, through Mr. W. S. Glyn-Jones, M.P., in getting the enforcement of the doubled medicine-duties postponed for three weeks, so that it will not be until October 20 that the extra stamping on the first sale will become necessary. In spite of the postponement, many sales to the public at the new rates of duty appear to have taken place, as was inevitable, for the terms of the notice issued by the Excise authorities conveyed the idea that all dutiable medicines in stock had to be extra-stamped, whereas the Budget resolution goes no further than to say that extra stamping has to be done *on the first sale*. We emphasised this last week in order to save retailers the trouble of going over all their stock, and to take advantage of extra-stamping at the time of sale if more convenient. All the trouble has centred round this one point, for it will be seen from the full report which we print that manufacturers were practically unanimous in the opinion that the additional tax should be met in a loyal spirit, and that postponement should be asked for. This was the line thrown out at the London Chamber of Commerce meeting and agreed to by the amalgamated meeting at Salisbury Hotel. The concession of three weeks' delay should meet trade, labour, and time difficulties amply, for it appears that the scarcity of stamps was merely temporary. As soon as the Commissioners knew, forty-eight hours before the Budget, that the Chancellor proposed to double the duties, they began to increase the output of stamps, and last Friday 1½d. stamps were being produced at the rate of a million a day. This is still going on. We understand that the Commissioners are favourable to the suggestion that an adhesive stamp similar to postage-stamps might, for the period of war at least, be used to denote the duty, and the Chancellor of the Exchequer informed Mr. Glyn-Jones on Wednesday that this is to be done. There still remains for the drug-trade settlement of the question of price-protection, which is not without complications that will require all the ingenuity of the founder of the P.A.T.A. and his Council to unravel. New prices have to be arranged, profits allocated, and so on. It is not, of course, possible for the manufacturers to advance the face values more than the additional stamp duties where the prices of the medicines are the maxima—e.g., a 1s. 1½d. article cannot be increased beyond 1s. 3d. without the duty being increased to 6d.; but it is possible to advance the minimum retail prices—e.g., a 1s. 1½d. article retailing at 1s. may be fixed at 1s. 2d., and we understand that some manufacturers are doing this so as to return the P.A.T.A. ratio of profit. The suggestion that the 1s. basis should be raised to 1s. 3d. (making face value 1s. 6d.) would simplify matters, and Mr. Glyn-Jones is negotiating with the authorities in regard to it. Although last week's resolution by the House of Commons has been amended the provision has to be embodied in the Finance Bill, and it is on it that Mr. Glyn-Jones will put forward definitely his idea of increased bases as given on p. 42.



## The Drug Tariff.

SOMETHING has happened. What it is we do not know exactly, but the Pharmaceutical Society, or those who write under its ægis, have suddenly deprecated criticism of the proposals of the Departmental Committee on the Drug Tariff, and have put up a squeaky little wail about the representatives of the Society having done their best, pleading at the same time that the Society should not suffer for it. We see no occasion for the dictation; and were the conditions normal it would not be necessary to refer to the matter at all; but the conditions are abnormal both as regards our contemporary's conduct and the need for getting to know the opinion of dispensing chemists in regard to the Departmental Committee's proposals. There are some thousands of dispensing chemists in Great Britain; only a few hundreds of them in England and Wales will have the opportunity of discussing the matter in London a few weeks hence, and dispensing chemists in Scotland will not have the opportunity at all; therefore any public expression of opinion and publication of facts bearing upon the subject before that meeting cannot fail to be of service to the whole body pharmaceutic. We have not hesitated to give such publicity, and we feel that it would be unfair to deny it to individual chemists, who must necessarily be affected by the decisions of the body as a whole. Apart from this, panel doctors are discussing the matter, and what they and their organs are saying should be known to panel chemists. We contrast two opinions:

**A** "It is, of course, quite possible to discover in the recommendations of the Departmental Committee points which at first sight appear dangerous, or at least fraught with prejudice, to those who have to supply drugs and appliances under contract with Insurance Committees, but, as on all other important occasions, it is a wise plan to go softly in deliberation before committing one's self and one's calling to a definite expression of opinion. The two pharmaceutical representatives on the Committee obviously must know more of the inner meaning of the Report than is printed in the recommendations, and it should be clear to the veriest infant in political wisdom that as these gentlemen will report to the Council facts and considerations at present confidential, it would be imprudent to settle by local or journalistic discussion questions of policy until the Council is in a position to indicate the real causes at issue. . . . The Society has been apparently so successful that some modification of the fruits of its work may become necessary in the nature of a greater equalisation of distribution of the benefit; when the process is put into operation, as it may be, it will ill become the panel pharmacist to blame the Society for lowering the rate of net profit in England and Wales on buying price from 38.4 to 33.7 per cent., and in Scotland from 66.5 to 66.7 per cent."

**B** "The memorandum of evidence put in by the witnesses for the British Medical Association pointed out that the present Tariff was so complex and so full of anomalies and inconsistencies, that it seemed quite impossible to deduce any definite principles on which it might be supposed to have been based. The system was so chaotic that on a single prescription it was possible that the chemist might gain a profit of seven points: (1) The discount he got from the wholesale chemist; (2) the percentage profit on the primary price in the Tariff; (3) the additional percentage profit on smaller quantities than the ounce; (4) the profit obtained by levelling up fractions to the next halfpenny; (5) profit derived from the fact that one halfpenny was the minimum charge per ingredient; (6) dispensing-fees; (7) emulsifying-fee. . . . The Committee's scale of dispensing-fees seems to be more rational than the present scale. . . . The chemist will exchange a somewhat high account which must be always delayed in payment and may never be paid in full, for a moderate bill which can be paid directly and which he is absolutely certain of receiving in full. He will also save an immense amount of difficult clerical labour in the pricing of his prescriptions, will no longer be financially interested in the method of prescribing, and therefore will no longer have the odium and trouble of initiating proceedings against practitioners under the obnoxious Regulation 40."

Simultaneously with A appearing in the Pharmaceutical Society's organ B was published in the organ of the British Medical Association; both quotations are from editorial articles. It will be noticed that the medical organ does not hesitate to give prominence to the new principle in the proposed tariff—viz., that chemists' accounts will be a first charge on the Medical Benefit Fund; this rather than a multitude of details is the principle which appeals most strongly to chemists, who naturally must be interested to know that medical opinion is not altogether in favour of it, as may be judged by the London Panel Committee's resolution (p. 44). "The Lancet" also says:

"We cannot but think that this a most inopportune moment for any great revision of the conditions of payment. Even the Report of the Committee, to which we referred last week, fails to give satisfaction to the pharmaceutical members. . . . With such divergence of opinion from those who have had full opportunity of investigation, it is to be hoped that further discussion of the matter may be shelved until after the war."

In its correspondence columns our contemporary prints a letter from Dr. Major Greenwood, of Hackney Road, N.E., who was one of the strongest opponents of the principle that dispensing under the Insurance Act should be done by chemists, and not by doctors. He now states that

"There is nothing in Section 15 to warrant an imposition on the doctors of a liability of making good a deficit arising through the inadequacy of the chemists' contract with the Insurance Committee. From the very inception of the Act the liabilities of the doctor and the chemist have been kept separate. . . . It is a matter of life and death to panel practitioners to preserve intact at all hazards that portion of the Medical Benefit Fund that was earmarked by the Act as payment for their services only, and to refuse to allow it to be made in any way responsible for the claims of the chemist. To mix it up with the Drug Fund would be courting disaster. . . . No doubt, the chemist's charges ought to be paid in full, and if he can get a guarantee to this effect in any other way, well and good. But it is no part of our duty to take upon ourselves a burden that he is finding every day increasingly onerous."

In face of the fact that such statements as these are appearing in papers which are sold to the public through newsagents, it is not wise to attempt to suppress the views of the persons most concerned—dispensing chemists. Moreover, the financial situation of the London Insurance Committee has become clamant, Mr. Handel Booth, M.P., having spoken very plainly about it at last week's meeting. We daresay it is still fresh in the memory of our readers that 6s. per insured person was the amount that Mr. Lloyd George set aside in the first instance for Medical Benefit: 4s. 6d. to go to the doctor and 1s. 6d. to pay for medicine and appliances. The doctors demanded 8s. 6d. per head, exclusive of drugs and extras, or 13s. a head inclusive, and Mr. Lloyd George increased the total to 9s. : 7s. to the doctor and 2s. for drugs. Of the extra 3s. per head, 2s. 6d. was found by the taxpayer and 6d. was taken from the 1s. 3d. per head allowed in the Act for Sanatorium Benefit. The 9d. left for sanatorium treatment has proved insufficient in the London area as well as in others, hence Mr. Booth's speech of protest last week. In this he was supported by Mr. Rockcliff, Chairman of the Finance Committee, who has since explained to a "Star" representative that the Sanatorium Benefit Fund has expended all its money for the year, although three months remain to run. The treatment of consumptive patients would have had to be completely suspended unless money had been taken from another fund. Our contemporary adds:

"Then there is the Drug Fund. When the doctors were able to secure an advance of 2s. 6d. per patient, the druggist secured nothing. [Yes, a lien upon the floating 6d.—EDITOR *C. & D.*] In 1914 there was a deficiency of over 50,000l. in the Drug Fund in London, and the druggists are being asked to accept 75 per cent. of their accounts. The new postal changes will impose a heavy burden on the working of the Act. One large Approved Society alone will have to spend 1,200l. a year extra on posting to its thousands of members their cards and receipts. It is impossible that the London Committee shall go on without more money, which will have to be supplied either by the insured person or the taxpayer. The insured person, who is going to be heavily taxed by the Budget, can afford no higher contribution, and will not be willing to accept reduced benefits. The Treasury, which is enforcing the lesson of economy everywhere and cutting down national and municipal expenditure, will have great difficulty in finding the money. It is an unfortunate result of an unscrupulous agitation, and we hope a remedy will be found."

To sum up, the present position of Insurance Act Medical Benefit is critical generally, and dispensing chemists are most concerned about the matter, because the powers that be in seeking for a means to reduce expenditure have gone no further than chemists' accounts, and propose to cut them down. We submit that this is false economy as well as unfair treatment. We are glad that Mr. Handel Booth is endeavouring to get the Government to look into the financial conditions of the Act, and that the Prime Minister has not given the customary blunt refusal to his suggestions.

#### Lord John Cavendish's Budgets.

IN our first editorial article last week the references to Lord John Cavendish on p. 65 were incomplete through the omission of the year 1782. The passage referred to should read:

It is interesting to recall that medicine stamp-duty was first imposed in 1783. On March 8, 1782, Lord John Cavendish proposed a vote of censure on Fox's Government. . . . His motion was carried by 226 votes to 216. Pitt's Government came into power on March 20, and Lord John Cavendish succeeded Lord North as Chancellor of the Exchequer. He brought in his first Budget (amending Lord North's) on May 22, 1782, and another on May 26, 1783.

#### Disclosed Formulas.

WE have been flooded this week with inquiries regarding medicine stamp-duty, there being a natural desire for chemists to avoid incurring duty in the case of preparations made by themselves, although the Budget resolution does not alter the law in any other respect than doubling the duty. It saves time to refer to our Dictionary of Dutiable Medicines in the *C. & D. Diary*, beginning on p. 416. We have also been asked if we can still receive formulas for publication in the *C. & D. Diary*, 1916. We can, but the space available for such formulas will be limited, and it is necessary that subscribers should send their formulas soon.

"PLEASE give me a 'tunic': doctor says my 'cistern' is run down," was the request of an old woman as she stood, prescription in hand, at the counter of an Everton pharmacist.

PAPYRUS AND PAPER MANUFACTURE.—Bulletin No. 2 of the Chemical Section of the Wellcome Tropical Research Laboratories, Khartoum, by Dr. William Beam, F.I.C., deals with the possibility of using the plentiful supplies of papyrus reed in the Upper Nile as a source of paper. It is suggested that the cost of transport, etc., may be overcome by the production of crude pulp, or "half-stuff," by boiling the reed with water under pressure at a temperature of from 142° C. to 150° C. for from three to six hours, which removes practically all the "non-cellulose." Experiments have indicated a yield of from 37.5 to 40.5 per cent. of "half-stuff" yielding about 55 per cent. of bleached pulp. It is estimated that this "half-stuff" would be worth not less than 5l. per ton in Europe, while the cost of transport is estimated at 2l. per ton.

## Sterilisation of Catgut.

By René Guyot, Pharmacien-Major de 1<sup>re</sup> Classe.

IN the surgical services of the Army the consumption of sterilised articles and dressings is great. The time of antiseptics is past and modern surgery is aseptic. Hence special organisations have been formed nearly everywhere in temporary or auxiliary hospitals to sterilise cotton, gauzes, compresses, etc. Sterilised catgut is supplied by the Army services or by private firms, hence the medical department is not required to sterilise the gut. The author was struck by the loss and waste arising from bottles of catgut being opened and left, after surgical operations, unused because they were non-sterile, and he sought to make them fit for use again by re-sterilising. Owing to its origin catgut must be made absolutely aseptic, for the intestine is a reservoir of microbes, since the sheep browses on grass, which is often infected with pathogenic germs, such as tetanus spores, which are strongly resistant to sterilisation. Numerous processes are employed for sterilising catgut, and these are briefly:

(1) *Dry Heat of 140° C. in an Oven.*—Larochette appears to have obtained good results with this, but the author found that at this temperature catgut changes very much, becoming hard, twisted, and unusable.

(2) *Heating in an Autoclave with Steam at 120° C.*—By this method the catgut gelatinises; the thread becomes very elastic as well as very brittle, so that it is unusable.

In the sterilisation damp must be avoided, but after sterilisation a certain degree of humidity must be restored to the catgut in order to give the desired suppleness, for good sterilised catgut must fulfil the following three conditions: (1) It must be aseptic, a condition to be proved by incubating a portion of it in a culture-medium, when no bacterial growth should be formed; (2) it must be resistant, fairly supple, and not brittle; and (3) it must be reabsorbable by the tissues. Répin thought that catgut could be sterilised by immersion in a closed vessel containing absolute alcohol. This is satisfactory in a measure, and the process is employed. Absolute alcohol makes catgut too dry and brittle, but its suppleness is restored by diluting the alcohol used for sterilisation to 90 per cent. (sp. gr. 0.8335) by introducing into the closed vessel near the catgut an ampoule containing the requisite quantity of water, and when sterilisation is complete the ampoule is broken, the result being that the catgut absorbs the water and becomes supple.

All sterilising processes are based on this principle, including the Codex official process.\* Triollet recommends chloroform, Guérbet acetone, and Krönig cumol in place of absolute alcohol. The author tried chloroform, heating to 125° with steam, and obtained a very brittle catgut. Vaseline oil and oil of turpentine gave unsatisfactory results. With the former a very elastic thread was obtained which stretched too much when used, and the turpentine gave a very brittle thread. The author conceived the idea of using a very volatile liquid, and chose ether, sp. gr. 0.724. A preliminary operation is necessary in all methods of sterilisation—viz., the removal of fat. The gut-spinner before delivering violin-strings greases them to make them supple. The fatty matter which he uses is an insulating body and retards sterilisation. The fat is removed from the gut placed in a Soxhlet apparatus by means of ether. Then the catgut is dried slowly in an oven at a temperature of 110° C. for one hour (Répin process), between 85° and 95° (Barthe-Soulard process), or at 85° for ten hours, and finishing over sulphuric acid (Grimbert process). The author's process is better, and is as follows:

Directly the ether is removed from the gut the latter is rolled on glass tubes. These tubes are placed in glass flasks closed by a metallic screw stopper, the flask necks having a filter-plug of carded cotton. The preserving-bottles should be

Substantially the Codex process is: After removal of fat the catgut is dried for six hours at 85° C. and cooled over sulphuric acid; then it is placed in tubes filled with absolute alcohol, which are placed in an autoclave and heated to 120° C. for forty-five minutes. The catgut is then allowed to cool, and is kept in hermetically sealed bottles, being immersed in sterilised water for a quarter of an hour before use.

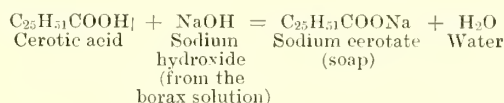


capable of being closed as hermetically as possible, either by a metallic stopper with rubber or by a screw stopper. In the lower part of each bottle a perforated metallic shelf is placed. In the flask containing the catgut is placed a maximum control thermometer, with tube recorders close by. This flask is substantially a small steam-pan. The flasks of catgut are not completely screwed down, so as to permit easy penetration and circulation of the ether-vapours. Into the steaming-flask 20 to 30 c.c. of ether, either pure or mixed with equal parts of 95-per-cent. alcohol or absolute alcohol, is placed. The stopper is screwed on as well as possible, and the flask is put into a steaming-pan with steam. The temperature is kept at 120° for half an hour; the flask is then cooled slowly, and when the internal pressure is normal the escape-tap is opened. The flask is taken out, left to cool, and the stopper unscrewed. The atmospheric air charged with moisture enters the flask, and the catgut, dried by the ether, regains sufficient hydration and at the same time its suppleness. This hydration can be hastened by placing the catgut-flasks in the same bottle which served for sterilisation, but substituting water for the ether. The moist air penetrates the cotton filter in the flasks, so that no germ enters. Examination of the maximum thermometer shows a temperature above 120° C., which the tube-recorder confirms.

Surgical trials of this catgut as to suppleness, solidity, and resistance have given good results, while negative results were obtained on incubation. From further experiments the author found that a second sterilisation deteriorates the catgut, and he concludes that one sterilisation is sufficient. By this very simple means it is possible to re-sterilise catgut which has remained open after surgical operations, and thus avoid a loss and a waste which is always appreciable, for "in the present hour of anguish in which we are living all efforts must tend to the same end—i.e., to make use of all resources and not to neglect one."—*Journal de Pharmacie et de Chimie*.

## Cold-creams.

MR. ERNEST R. JONES, Ph.C., writing on this subject in the "Journal of the American Pharmaceutical Association" (1915, p. 708), states, as the result of experimental work, that at least four things are necessary to make a good cold-cream, which is essentially an emulsion—viz., (1) white beeswax, (2) an oil, (3) a saponifying-agent, and (4) water. The saponifying-agent commonly used is borax, aqueous solutions of which are alkaline, owing to hydrolysis. The alkali saponifies the free cerotic acid, which is present in the beeswax to the extent of 12 to 16 per cent. The soap (sodium cerotate) thus formed acts as an emulsifying-agent for the balance of the beeswax and the rest of the ingredients. The reaction may be represented as follows:



The other ingredient of the beeswax (myricyl palmitate) is not saponified to any appreciable extent, probably not at all, as such esters are difficult to saponify even with strong alkali. Further, the alkalinity of the borax solution is immediately neutralised by the free cerotic acid, and the myricyl palmitate therefore probably does not enter at all into the chemistry of cold-creams. It is pointed out that only such fats and waxes as contain free acids can be used to form soaps with the borax solution. Fats and waxes which contain no free acid are valuable only as stiffening-agents. According to Lewkowitsch, the following are the acid-values of the substances named:

	Acid-value
Carnauba wax	2
Japan wax	20
Spermaceti	traces
Beeswax	20
Tallow	4
Paraffin	0
Ceresin	0

Paraffin and ceresin do not form soaps with borax, as they contain no free acid, nor does spermaceti act any better, as it is practically neutral. Tallow and Carnauba wax, however, form emulsions, but, as the quantity of soap formed is small, the cream is not smooth. Japan wax and beeswax

yield good cold-creams, but the former is not recommended, as it has a lower melting-point and more colour and odour than beeswax. It can therefore be definitely stated that white beeswax is necessary to make a good cold-cream, as it supplies, with the borax, the soap necessary to form the emulsion, and gives the smoothest cream of any of the waxes. The whiter the wax used, the whiter the cream will be. Sufficient wax should be used to give the cream the desired stiffness. Part of the wax, however, may be replaced by such substances as spermaceti, paraffin, or ceresin as hardening-agents. Of these, paraffin and ceresin are preferable to spermaceti. Ceresin has a considerably higher melting-point than paraffin, therefore less of it is required to produce the same amount of stiffening. Both paraffin and ceresin should not be used in too great quantity if a smooth cream is desired. Stearic acid is sometimes used as a stiffening agent, but it has the disadvantage of making the cream granular in time, even if very small amounts are used. Either vegetable or mineral oils may be used. The former are better absorbed by the skin than the latter, and are preferred in medicated creams. The objection to them is that when emulsified they quickly become rancid; also they impart an objectionable odour and do not yield the whitest of creams. Lanoline is sometimes used, but its odour and colour are objectionable. If a white cream is desired, it cannot be used at all; it has the advantage of being easily absorbed by the skin. There remains the mineral oils. Cold-creams made with these are permanent and do not turn rancid. The oil should be colourless and with as little odour as possible. The specific gravity may range from 0.860 to 0.880, but it may be noted that the higher the specific gravity the less stiffening-agent will be required. Borax is the best saponifying-agent to use, and is to be preferred over all others, as it gives the best and smoothest cream. Creams may be made with other substances whose solutions give an alkaline reaction. Those made with potassium salts are softer than those made with sodium salts. The fourth essential ingredient is water, and disilled water is always to be preferred, although tap water may be used if it does not contain much calcium or iron. It may be said that it is the water which makes the cold-cream white, and in general the more water used the whiter the cream, but too much water makes the cream granular and may cause a separation. The author's experience is that 25 per cent. is the proper amount to use from a manufacturer's point of view. The perfume should not contain too much alcohol, as the alcohol has a tendency to break up the emulsion, especially if added when the cream is too hot. Rose, lilac, and violet are the most popular odours, the former predominating. A word of caution is given in regard to lilac perfumes. Most of them, except perhaps a few expensive ones, contain terpineol, and terpineol itself is sometimes used as a perfume. This substance is very irritating to the skin, and should not be used in cold-creams. Generally, synthetic perfumes are more irritating than natural oils. In some cases, also, perfumes cause discoloration of the cream, making it decidedly brown; almost always discoloration is due to the perfume, but iron utensils may also cause the cream to become discoloured.

Much attention should be paid to the container. Collapsible tubes are, in the author's opinion, the ideal containers, as the cream does not dry and they are more sanitary than covered pots. They are not, however, so attractive to the trade as jars, and are not so conveniently filled. Jars with screw tops are therefore the most popular. Particular care should be exercised in selecting pots with tight-fitting covers, and extra precautions, such as a paraffined-cardboard washer, should be used, to guard against loss of water. Coloured creams are novelties, and a pink cream with a carnation perfume is popular. These are made by dissolving a small amount of an oil-soluble colour in the melted fats before adding the borax solution. To make a pink cream, use the dye known as Oil Red S.

A HUNDRED YEARS AGO.—"Soda water in a state of perfection never before attained; prepared in Patent Glass Machines, to prevent metallic impregnation," was advertised in "The Times" by R. Johnston, chemist, 15 Greek Street, Soho, in oval glass bottles at 8s. 6d. per dozen, allowing 3s. for returned bottles. The genuine was marked "Hamilton's Patent."

"THE ART OF DISPENSING" is now in line with the British Pharmacopœia, requisite alterations in official data and references having been made in reprinting the ninth edition. This makes the seventeenth issue or edition of the work since it was published in September 1888, so that it is the most popular and most used dispensing book in the English or any other language. The price remains 6s., by post 6s. 6d., from the C. & D. office, and it may be obtained from leading wholesale and sundries houses.

## Trade Notes.

**THE CELLONITE Co.'s AGENCY.**—In further reference to the note published on p. 60 of last week's issue, it should be mentioned that the agency for the sale of the Cellonite Co., Dreyfus & Co., Basle, is shared between Mr. Harry Heymann, of Bradford, and Mr. Hugo Lorenz, 758 Idol Lane, London, E.C.

**BEEF-TEA CUBES** made in England are in considerable demand at present, both at home and abroad. Tooth's Extract of Meat Co., 23 Leman Street, London, E., are manufacturers of these, and are prepared to pack them with labels bearing the vendor's name. Quotations can be obtained from the company on application.

**PRICE'S NIGHT-LIGHTS.**—We have recently observed that these old favourites are being most effectively advertised by posters of a new style. This is the beginning of the autumn advertising campaign by Price's Patent Candle Co., Ltd., Battersea, who inform our readers that it is being supplemented by newspaper advertising, while they offer to supply retailers with free adjuncts, so that they may not miss any of the business which increased public demand should bring them.

**ELLIMAN'S UNIVERSAL EMBROCATION.**—The revised prices and terms of this popular preparation are given by Elliman, Sons & Co., Slough, in the advertisement section of this issue, this being the first announcement of changes made consequent upon the doubling of the medicine-duty. The 8½d. Elliman's will henceforth be marked 1s., and it will retail at 11½d. minimum price. The 1s. 1½d. becomes 1s. 3d., with a minimum of 1s. 2d., and the 2s. 9d. 3s., minimum 2s. 9d. Messrs. Elliman quote the prices to the trade showing, for example, that the profit on the 1s. 3d. size to retail at the minimum price is about 25 per cent. on the outlay. There is no advance in the prices of Elliman's Royal Embrocation. New agreements for price-protection will shortly be issued.

**SANAPHOS SHOWCARD.**—The British Milk Products Co., Ltd., 69 Mark Lane, London, E.C., have now ready for distribution to retailers an exceedingly handsome lithograph showcard measuring 25½ in. by 20 in., like the annexed



engraving. The card is highly glazed so that it can be kept free from dust, and the margin is a dark sage-green. Copies of the card can be obtained by anyone in the trade from the company on application.

**PARAFFINUM LIQUIDUM.**—Snowdon, Sons & Co., Ltd., Millwall, London, E., have recently instituted what may be called a medical inquiry in regard to the most suitable liquid paraffin for medicinal purposes, and they find that there is a strong opinion that the oil best suited for internal use should have a specific gravity of not less than 0.830, because the viscosity of such oil is sufficiently high to ensure that it will pass through the alimentary canal with requisite slowness to facilitate the expulsion of the contents of the lower bowel. This is not done by oils of specific gravity 0.860, and Messrs. Snowdon believe that Russian oil is preferable. One of the directors of the company has recently spent three months in Russia, and one result is that they have obtained a consignment of Russian oil which they are now able to offer pharmacists on advantageous terms.

THE P.A.T.A. PROTECTED LIST for September contains the following additions: Allenburys Bynogen (two sizes) and

Bronnley's Sea Breezes Eau de Cologne (six sizes). The month's alterations in price are: Glaxo, Imperatrix Soap, Jeyzol (four sizes), Kerfoot's Salaspin Tablets (100 bottles withdrawn), McDougall's Vapilamps (formerly Vapaform Lamps), Parke, Davis & Co.'s 33-per-cent. Cod-liver Oil Emulsion (three sizes), Dr. Thompson's Dandelion Coffee (two sizes), Southall, Bros. & Barclay, Ltd.'s Cod-liver Oil Emulsion (two sizes), Williams' Liquid Shaving Soap, and Zymate Tooth-paste (two sizes). The deletions in September include: Beslin, Ltd.'s goods, Johnson's Sealoids, A. Kingsley and Co.'s goods, Onalite, Dr. Paul Nuyt's Brush and Refills, and the Pape, Thompson & Pape Co.'s goods.

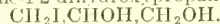
**PEARS' PROTECTED PRICES.**—A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C., have now fixed minimum retail prices for their soap which are placed under the following conditions: "All goods supplied by A. & F. Pears, Ltd., are subject to the condition that they are not to be sold wholesale or retail below the minimum prices stated in their price-lists." "The goods on this invoice are supplied by us on the condition that they shall not be sold wholesale or retail below the minimum prices shown hereon. Your acceptance of the goods will be treated as an acknowledgment that they were bought by you on these terms. If you do not agree, please advise us and return the goods at once." The new terms come into force on Friday, October 1, and the company has, we understand, issued a circular letter and a list of wholesale terms to the trade. The following, however, are quoted as examples of the new fixed prices and terms: Transparent unscented, minimum retail 4d. per tablet, wholesale 3s. 3d. per dozen; shaving-sticks, minimum retail 8d. each, 6s. 7d. per dozen; round shaving-cakes the same, as well as other shilling tablets and balls, which have been cut from 1s. to below 8d. The 1s. 6d. articles will now have a minimum retail price of 1s., and will cost the retailer 9s. 10d. per dozen. The terms are net for 1l. orders payable within a month, and 2½ per cent. discount on 4l. orders, carriage paid on orders of 1l. upwards. The company have recently introduced an opaque shaving-stick which retails at 10½d. minimum, and an unscented opaque toilet-soap which will retail at 4d. Those who undertake to obtain the protected prices and will give the goods a window- or counter-display are offered a bonus of half-a-dozen of these sticks, and a dozen of the tablets on orders for two gross of the transparent tablets, or of the new unscented opaque tablets, or on a mixed two gross of these. The unscented opaque toilet-soap is described by the makers as being particularly adapted to sensitive skins, because it is made with olive and other oils without any addition of animal fat. The wholesale price is 39s. per gross packed in cardboard boxes of twelve tablets. These new conditions and terms replace the company's offer of four months ago, and the reception so far given to them—as, for example, by a meeting of the London County Pharmaceutical Association—is extremely favourable. As an article which sells itself and which brings customers into the shop Pears' Soap has a position *sui generis*, and chemists as a body will welcome the assurance that they can now handle it at a profit, as hitherto in many cases it was sold by them sometimes at a loss.

## Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

**Water-content of Honey.**—B. C. Aston, F.I.C. ("N.Z. Joar. of Agric." July 20, p. 48), states that the water-content of New Zealand honey seems to be lower, on the average, than that of any other country. Twelve samples from each of the following districts yielded on analysis the percentages of water stated: Auckland, 17.19; Wellington and Taranaki, 15.71; Canterbury, Nelson, and Marlborough, 16.14; and Otago and Southland, 16.33. In 100 samples of pure honey analysed by the U.S. Department of Agriculture the average was 17.59 per cent., with a range of 12.42 to 26.88 per cent. In 157 samples of pure honey analysed in Germany the averages were from 19.3 to 20.6 per cent.

**Alival** is a new organic iodine preparation, stated to contain about 63 per cent. of iodine. Its chemical constitution is 3-iodine-1,2-dihydroxypropan,



It is made by the interaction of chlorhydrin and alkaline iodides, and crystallisation of the product thus obtained. It consists of white silky crystals, which are easily soluble in water, alcohol, and ether, but less easily in cold benzol and chloroform. The melting-point is 48°-49°. The taste is slightly bitter. Alival is given in those cases in which iodine preparations are usually administered. The absorption of the iodine is rather slow, but regular.



## Associations' Winter Session.

*With the advent of October a new session of Pharmaceutical Associations' meetings begins. We hope it will be a good one, fruitful of mutual help to members in the localities where such Associations exist. These organisations have increased and multiplied greatly during the past quarter of a century, so that now a dozen meetings are held where one was held before. We desire to report all, but necessarily in these days of universal economy the reports must be exceptionally concise, and we invite Secretaries of Associations to whose meetings reporters are not admitted to supply us with reports as promptly as possible after the meetings are held, and not later than Wednesday of the week following the meeting. Those who desire to have forthcoming meetings announced in the "C. & D." should send notice well in advance, and we should be glad to receive programmes of the coming session where such are arranged in advance.*

*The Conference of Local Associations delegates [L.A.C.], called by the Pharmaceutical Society to consider the proposed new Tariff for Insurance Act dispensing, is to be held in the Holborn Restaurant, London, W.C., on Wednesday, October 20.*

**Birmingham.**—At a meeting of the Council of the Pharmaceutical Association on September 24, the Hon. Secretary (Mr. F. Smith) reported that pharmacists' subscriptions to the local branch of the Belgian Doctors' and Pharmacists' Relief Fund amounted to 135*l.* 13*s.* (seventy-five contributors). Expenses amounting to 2*l.* 7*s.* 7*d.* were borne by the Association. It is proposed to reduce the annual subscription of members outside the city from 5*s.* to 2*s.* 6*d.* A donation of 5*l.* 5*s.* was voted to the Pharmaceutical Benevolent Fund. Mr. C. Thompson and Mr. F. Smith were appointed delegates to the L.A.C. It was reported that a circular and initial list had been forwarded to the signatories to the resolution, passed at the general meeting on July 14, for fixing minimum prices for drugs, etc., affected by the war. The annual meeting was fixed for October 27.

**Bradford.**—Mr. R. T. Silson presided at a meeting of the Pharmacists' Association on September 28. The new Insurance Drug Tariff and matters relating to the forthcoming L.A.C. in London were discussed, and it was decided not to do anything in regard to breaking bulk of patent pills, etc. The delegates to the Conference were instructed to vote against the proposal to refuse to stock articles advertised without indication as to cost. The meeting then resolved into a long and detailed discussion of the new Drug Tariff. Mr. Burdett said the Committee had appointed a Sub-Committee to carefully compare a series of prescriptions under the old Tariff and the new. They had gone through eighty prescriptions, and the result showed that under the new Tariff Bradford chemists would lose nothing, on the assumption that the discount on the old Tariff was 15 per cent. As a matter of fact, it had been 20 per cent. last year, and might reach 30 per cent. this year. The net result of the examination had been a gain to the chemists of 3*d.* on the eighty prescriptions. Modifications suggested were: That the establishment-charge should not be less than 1*d.*; that 10 per cent. should be added to the cost-price allowance for appliances; that containers should be advanced in price allowance and revised monthly; that the whole Tariff should be revised monthly during the war; and that there should be monthly payments. Mr. Foster Smith objected to the assertion that Bradford chemists would lose nothing. He had examined thirty prescriptions, and found a loss of 5 per cent., or 0.34*d.* on each prescription. The suggestions were put to the meeting in the form of a motion, and were carried without dissent.

**Cardiff.**—Mr. S. B. Eason presided at a meeting of the Pharmacists' Association at the Argyle Hotel, on September 21. A letter was read from the local Chamber of Trade regarding the midday closing hour and the closing of shops at 6 p.m. on two or three days each week. The meeting agreed with the principle of midday closing, and after considerable discussion as to the suggested six-o'clock closing, Mr. A. Johnson proposed, and it was agreed, that Cardiff chemists close at 7 p.m. on Mondays and Tuesdays, 1 p.m. on Wednesdays, 8 p.m. on Thursdays and Fridays, and 10 p.m. on Saturdays. It was resolved to set aside a date in October or November for a P.A.T.A. meeting. Mr. J. A. Jones was appointed delegate to the L.A.C. It was resolved that the Report of the Departmental Committee on the Drug Tariff should be considered by the

Pharmaceutical Committee and then referred back to the Association. Slight alterations in the wording of the resolution regarding breaking "packages or boxes" of proprietary medicines, to be submitted to the L.A.C., were suggested, and the Association's delegate was instructed to support proposals for 20 per cent. or more on perfumes and 15 per cent. or more on infants' foods. Mr. Hagon gave a *résumé* of the recent work of the Pharmaceutical Committee, and the Hon. Secretary (Mr. J. Murray) read a report of the meeting of representatives of the Panel and Pharmaceutical Committees arranged by Dr. Richards, Deputy-Chairman of the Welsh Insurance Commissioners, to discuss the question of stock mixtures. Messrs. J. A. Jones, Leo Joseph, and J. E. Jones, with the Hon. Secretary, represented pharmacists, and the matter was fully discussed, the pharmacists' representatives submitting objections to the use of seven of the ten stock mixtures selected by the Panel Committee. It was suggested, in view of the scarcity of sodium salicyl., that mist. sodium salicyl. might be replaced by mist. acida. It was stated that the stock mixtures finally selected are not prescribed so often as had been expected. Mr. Hagon advised chemists to accept the emergency settlement for 1914 offered by the Commissioners, which provides for payments of 85.7 per cent. of the amounts of the accounts. The Secretary reported that during the six months ended June 30, 1915, 84,032 prescriptions (value 2,328*l.*, and average cost 6.53*d.*) were dispensed, compared with 101,017 prescriptions (value 3,947*l.*, and average cost 9.79*d.*) in the corresponding period of 1914. In 1914 fifty-two doctors overspent the allowance for drugs by 1,294*l.*, while in 1915 only twelve doctors exceeded the amount by 133*l.*, one of them being accountable for over one-third of this, and two for over half of the amount.

**Chesterfield.**—The annual meeting of the Chesterfield and District Pharmacists' Association was held on September 28 at the Queen's Park Hotel, Mr. T. E. Furness in the chair. The Hon. Secretary (Mr. J. H. Toplis) reported on the year's work, which was considered satisfactory. The Hon. Treasurer produced his balance-sheet, duly audited, which showed a credit substantial balance. The retiring President addressed the members, and called upon the President-elect, Mr. F. J. Houston, to take the chair. Mr. Houston thanked the members for the honour they had done him in electing him to preside over their deliberations. The following officials were elected for the year: *Vice-President*: Mr. G. D. Denwood; *Hon. Secretary*: Mr. J. H. Toplis; *Hon. Treasurer*: Mr. S. C. Greaves; *Hon. Auditors*: Messrs. Twelves and Dent. The committee were re-elected *en bloc*. The new medicine-stamp duty was discussed, and the retail prices of many articles were revised. The members decided to make the Queen's Park Hotel their headquarters for the future.

**Dorsetshire.**—A meeting of the County Pharmacists' Association was held at Poole, on September 27. The chemists present represented rather more than one-third of the Insurance Dispensing Panel in the county. Over two hours were spent in discussing the Departmental Committee's Report on the Drug Tariff after it had been explained by the Secretary (Mr. J. W. Cussons). It was proved that the new Tariff would reduce the average profit in Dorset by slightly over 1½*d.* per prescription, equal to a loss of over 700*l.* per annum in the county. It was resolved that Mr. Cussons should propose at the forthcoming L.A.C. that 1.5*d.* per prescription shall be the allowance for establishment charges, and that bottles shall be included in the monthly Supplementary Tariff. It was agreed that the Association's delegate should support the resolution to abolish breaking bulk of proprietary articles. The Hon. Secretary reported that in the quarter ended June 30 19,850 Insurance prescriptions (value 651*l.*, and average cost 7.87*d.*) had been dispensed in the area, compared with 21,752 prescriptions (value 730*l.*, and average cost 8.05*d.*) in the corresponding quarter of 1914. It was decided to delay the annual meeting until the actual terms of the Insurance dispensing 1916 agreements are known. An interesting informal chat took place on the changes involved by the increased medicine-duty, and it was suggested that chemists should increase the selling prices of their own proprietary articles now sold at 1*s.* to 1*s.* 3*d.*, instead of 1*s.* 1½*d.* The Poole pharmacists entertained their fellow members at the close of the meeting.

**Exeter.**—Mr. Eric Lemmon presided at a meeting of the Association of Pharmacists on September 24. Mr. D. Reid agreed that either Mr. Harris or he would represent the Association at the L.A.C. The proposed new Tariff was discussed, the general opinion being that it would be a great injustice to pharmacists if the scheme is adopted in its present form. The Chairman described the proposals as iniquitous and the establishment allowance as inadequate.

quate. Mr. Milton thought the Association should oppose the proposals in every possible way, and Mr. Harris suggested that they should be allowed at least 2d. for establishment expenses. The Chairman complained that the Departmental Committee had not taken into account all the "odds and ends," which mean additional expense.

**Gloucestershire.**—Mr. W. H. Hill presided at a meeting of the Pharmacists' Association on September 23. The London County Pharmaceutical Association's propaganda was heartily supported. The Secretary introduced an interesting discussion on the desirability of obtaining a weekly report of any rise in drug prices so that members could be apprised and minimum retail prices fixed.

**Grimsby.**—Mr. Dewing presided at a meeting of the Pharmacists' Association held at the Heron Hotel on September 21. A communication from the P.A.T.A. was read suggesting that a meeting should be held to advance the work of the P.A.T.A. locally, and it was resolved to reply that as most of the members of the Association are members of the P.A.T.A. no meeting is necessary. Mr. Dewing was elected delegate to the L.A.C., and instructed to support the motion to stop breaking bulk of stamped medicines. The model Drug Tariff was discussed, and it was pointed out that such a Tariff could not benefit pharmacists in an area where all accounts had been paid in full.

**Halifax.**—Mr. H. K. Woodward presided at a meeting of the Chemists' Association on September 24, when Mr. P. W. Swire was appointed delegate to the L.A.C. Messrs. Dixon, Taylor, Proctor, and the Secretary were deputed to compile a list of charges for mixtures of the new local Insurance Formulary as soon as the October approved price-lists are available, and to supply copies to panel chemists. The Secretary (Mr. R. V. Sutcliffe) was instructed to make a strong appeal to several firms for a more reasonable margin of profit to the retailer on the sale of their proprietary preparations.

**Hampshire.**—Mr. C. S. Davies, Havant, presided at a meeting of the Pharmacists' Association, held at Winchester, on September 22, the President (Mr. F. E. Bilson) being unable to attend. The five points which will come before the L.A.C. were discussed and unanimously agreed to. Mr. S. G. Bartlett, Chairman of the Pharmaceutical Committee, and Mr. C. H. Baker, Secretary, were appointed delegates. It was also resolved: (a) That the stock-mixture clause be abolished from the Tariff; (b) that the Pharmaceutical Society approach the Inland Revenue authorities with a view to preventing the opening of patent packages and retailing in small quantities, and draw their attention to the practice carried on by unlicensed persons; and (c) that the delegates put before the L.A.C. the view of the Association, that unless the co-operation of the company pharmacies be obtained a resolution on the five points would be inoperative. Three guineas was voted to the Serbian Relief Fund.

**Hartlepool.**—A meeting of the Hartlepool and District Pharmacists' Association was held at the Oddfellows' Hall, York Road, on September 27, Alderman T. Clarkson presiding over a moderate attendance. The Secretary reported that as the deficits in the area were approximately 5½ per cent. for 1913 and 4 per cent. for 1914, no *ex gratia* grant can be claimed. While the discounting was generally considered unfair, the settlement, under the circumstances, was regarded as satisfactory. The Secretary (Mr. A. Timmins) was appointed delegate to attend the L.A.C. in London on October 27. The Departmental Committee's report on the Drug Tariff was fully considered, and it was unanimously agreed that the suggested 0.8d. is totally insufficient for establishment expenses.

**Liverpool.**—Mr. G. V. C. Last presided at a meeting of the Liverpool Chemists' Association on Wednesday, September 22. Mr. Gaylor (Liscard) and Mr. Cloncy Jones (Chester) were elected members, and Messrs. W. H. Clubb and G. V. C. Last (Chairman and Secretary respectively of the Pharmaceutical Insurance Committee) were appointed delegates to the Local Associations Conference in London. A letter was read from Mr. Kennedy suggesting that a special meeting of panel chemists should be called to consider the present state of Insurance dispensing affairs. The Chairman explained in detail the Departmental Committee's Report as it appeared in *THE CHEMIST AND DRUGGIST*. The meeting was unanimously of opinion that the establishment charges are too low. Mr. Moreton Parry reported as to what had been done in connection with the early-closing movement, and Mr. J. G. Wallbridge gave an account of the progress made in connection with the Liverpool Pharmacists' Training Corps (see also p. 56).

**London.**—Mr. Edmund White presided at a meeting of the Executive Committee of the County Pharmaceutical

Association at 17 Bloomsbury Square, on September 23. It was agreed to hold the monthly meetings on the third Tuesday in each month instead of the fourth Tuesday as heretofore. After consideration of the particulars of A. & F. Pears' new offer to the trade it was resolved:

That the Executive Committee of the London County Pharmaceutical Association receive with favour the new offer made by Messrs. A. & F. Pears on the sale of all their products, which ensures to the retailer a reasonable profit at protected minimum retail prices, and recommend that London chemists accept same and give practical support to the endeavours made on their behalf.

The annual meeting was fixed for October 23, at 3 P.M. Several reports were considered, and a long discussion took place on the report of the Departmental Committee on the Drug Tariff, and it was agreed to abide by the decision of the L.A.C. on October 20; also to recommend the adoption of the report by District Associations. Messrs. E. A. Atkins, A. H. Jenkin, and G. A. Tocher were appointed delegates to the L.A.C., and Mr. A. H. Jenkin was nominated for the Executive Committee of Local Associations. After considerable discussion it was agreed that the following resolutions should be forwarded to the Local Associations Executive Committee for inclusion on the Conference agenda:

(a) That a Committee be formed with power to act on all purely trade matters of national interest.

(b) That the London County Pharmaceutical Association recommends the Conference of Local Associations to urge chemists throughout the country to support, in a practical manner, the efforts made on their behalf in obtaining better terms for the sale of the goods of Messrs. A. & F. Pears' manufacture.

(c) That it be a recommendation from the London County Pharmaceutical Association to the Conference to adopt the Report of the Departmental Committee on the Drug Tariff.

(d) That the Associations' Conference shall be held annually.

**London N.**—A meeting of the North London Pharmacists' Association was held on Thursday afternoon, September 30, at St. Padarn's, Salterton Road, Holloway, N., when the Departmental Report on the Drug Tariff was discussed.

**London S.E.**—The first meeting of the winter session of the South-East London Pharmacists' Association was held at Maitland House, 134 Greenwich Road, S.E., on September 23. Mr. A. J. Wing (President) in the chair. About forty members were present. After Mr. G. A. Tocher had reported on Insurance dispensing matters, the members discussed the Report of the Departmental Committee on the Drug Tariff, eventually postponing further discussion to a subsequent meeting. Commandant E. A. Atkins addressed the meeting on "The Pharmacists' Volunteer Training Corps: Its Aims and Objects." He gave an account of the work done and outlined the future policy of the Corps, stating that by means of this Corps and others which are being, or will be, formed in different centres, it is hoped to prove to the Government that pharmacists are worthy of better recognition than has hitherto been meted out to them by the military authorities. A discussion followed, and several members intimated their intention of joining the movement. Commandant Atkins was cordially thanked for his address. It was decided to hold future meetings in Maitland House.

**Manchester.**—The syllabus of the Pharmaceutical Association for 1915-16 provides for seven meetings. A satisfactory programme is submitted, including a discussion on trade topics, introduced by Messrs. A. Hershberg and G. A. Mallinson, on October 13; a conference with Mr. W. J. Uglow Woolcock on November 10; a smoking-concert on January 12, 1916; and an address and lectures by Messrs. L. Moreton Parry, Jas. Grier, M.Sc., and W. Kirkby, M.Sc. The meetings of the Association are held in the Manchester Chess Club Room, 65 Market Street, on the second Wednesday of each month during the session.

**North Staffordshire.**—Mr. T. Charles (Burslem) presided at a meeting of the County Chemists' Association at Stoke on September 27. Some notes by Mr. Woolcock explaining the proposed new Tariff were read, the most important of the items being that if three different classes of appliances occur on a prescription (*e.g.*, lint, wool, and bandages), there would be an establishment charge for each. The prices in the Model Tariff were prepared from a list some weeks back, and are given only to convey an idea of the scheme. Chemists need have no fear that these will be the actual prices if the new Tariff is accepted, as the whole list will have to be most carefully revised. The Chairman considered the proposed Tariff for appliances and dressings to be very inequitable: at least 5 per cent. should be added to the list as regards dressings, and he thought the establishment-fee should be larger. Mr. T. C. Cornwell submitted that the principle of cost price *plus*



fees is the thing to decide. He pointed out that cost price for dressings does not allow for wastage. They should have at least 10 per cent. more than cost. Mr. Prince said that they should stick to the cost-price basis and press for a larger establishment-fee. He had calculated the dispensing-fee reckoned on the old and new Tariffs on a number of prescriptions taken indiscriminately. On the new the average was 2.94d., and on the old 2.17d. Ultimately the following resolution was adopted: "That the establishment-charge be not applied to dressings and appliances; dressings and appliances to be charged at list price plus a reasonable trade profit." On the motion of the Chairman, it was agreed that the price of containers should be revised. It was also resolved that the establishment-charge is inadequate. In the event of the present Tariff being continued, it was agreed that it is desirable that the Local Associations Executive Committee should give Pharmaceutical Committees in discounted areas a lead as to the attitude they should adopt, with a view to uniform action being taken. Mr. Bloor raised the question of dispensing after closing-hours, and it was resolved "that prescriptions brought after closing-hours and marked 'Urgent' should carry a special dispensing-fee."

**Portsmouth.**—At the first meeting of the Winter Session of the local Association on September 28 Mr. T. O. Barlow (President) occupied the chair. The agenda of the L.A.C. was considered, and the President was elected delegate. The Departmental Committee's Report on the Drug Tariff met with severe criticism, the meeting being inclined to favour present conditions, discounting clause included. Consideration of the question of the opening of packages of proprietary pills was postponed in view of an address by a representative of the P.A.T.A. to the Association at an early date.

**Southport.**—The annual general meeting of the Southport and District Pharmacists' and Assistants' Association was held at Birkdale on September 21, Mr. James Righton presiding over an attendance of nine members. Officers for the ensuing session were elected as follows: *President*, Mr. Charles Hare; *Vice-President*, Mr. F. Battersby; *Treasurer*, Mr. W. H. Smith; *Secretary*, Mr. R. H. West. On the motion of Mr. Hare, a vote of thanks was awarded to the retiring office-bearers. Mr. Hare was appointed delegate to the L.A.C. Mr. F. Battersby suggested that an "exchange" on the lines of that of the Wigan Association would be useful to the members, and this was agreed to.

**Worcestershire.**—A meeting of the Worcester City and County Pharmacists' Association was held at Kidderminster on September 23, Mr. Maurice Smith (Kidderminster) in the chair. The agenda of the L.A.C. was gone through serially, and it was decided that members are not yet in a position to express an opinion on the Report of the Departmental Committee on the Drug Tariff; also it was agreed that the discounting clause must go. Messrs. Maurice Smith (Kidderminster), S. Harris (Droitwich), and Donald G. Pout (Worcester) were appointed delegates to the L.A.C. Mr. F. W. Biggs drew attention to the fact that Panel chemists are supplying many drugs at less than cost price, and if the discounting clause is put into operation for 1915, the loss on those drugs will be considerable. He thought steps should be taken to include them in the monthly Tariff. It was pointed out that the Commissioners will not agree to further additions. The Secretary (Mr. Donald Pout) announced that as a result of representations by the Association a class in pharmaceutical chemistry will be held at the Victoria Institute, Worcester, commencing on October 5. The class will meet every Tuesday from 2 P.M. to 4.30 P.M., fee 10s.

**Wrexham.**—Mr. C. G. Caldecott, Ph.C. (President), presided at a meeting of the Pharmacists' Association held at the Imperial Hotel on September 22. Mr. J. E. Jones (Cefn, Ruabon) was appointed Secretary in place of Mr. J. W. Richardson. The President expressed pleasure at the presence of Mr. J. B. Francis, J.P., who has recovered from his indisposition, and, on the motion of Mr. L. B. Rowland, seconded by Mr. F. Fitzjohn, Mr. Francis was congratulated on his appointment to the P.A.T.A. Council. Mr. P. W. Savage was elected a member of the Association, the President was appointed delegate to the L.A.C., and Mr. T. J. Roberts (Ruthin) was nominated to the L.A.C. Executive. The meeting decided that breaking bulk of stamped medicines should be stopped. It was unanimously resolved to support the movement in favour of increasing profits on proprietary articles, and a strong feeling was expressed in favour of refusing to handle articles advertised in the prescription style, but it was felt that this should be dealt with by the P.A.T.A. The fixing of retail prices of spirituous preparations in demand in the district and the discussion of the proposed new Drug Tariff were deferred.

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

#### ENGLAND.

**Birmingham.**—The Finance Sub-Committee reported, in a statement to the Insurance Committee on September 28, regarding the Drug Fund, that the total under the emergency settlement for 1914 is 27,186l., and the amount advanced 23,693l., the balance available for distribution being 3,493l. The amount available represents 88 per cent. of the amounts of chemists' accounts (30,901l.), the deficiency being 3,715l. In all 131 chemists, whose accounts represent 95.8 per cent. of the 1914 accounts, have accepted the emergency settlement, and cheques amounting to 3,273l. have been issued to them. Twelve chemists have not accepted the settlement. The Sub-Committee expressed the opinion that the chemists have good grounds for protesting against the discounting of their accounts to the extent of 8.052l. for the two years, and recommended that the Clerk should be instructed to inform the Commissioners that the amounts of the discounts were unreasonably high, and to ask that a further grant should be made to reduce the deficiency. The Medical Service Sub-Committee reported consideration of a complaint of negligence against a panel doctor. They found the charge substantiated, and recommended that the doctor be censured and required to arrange that prompt attention be given to insured patients in the future. A request from Mr. T. W. Chapman, 189 Bristol Street, that his name should be removed from the chemists' panel was acceded to.

**Brighton.**—At a meeting of the Insurance Committee on September 24, the Medical Service Sub-Committee recommended that the attention of a certain panel practitioner should be called to the Committee's resolution of November 26, 1914, prohibiting the use of "Rep. mist." prescriptions. The Medical Benefit Sub-Committee reported that during the quarter ended June 30 23,712 prescriptions (value 879l. and average cost 8.89d.) had been dispensed. Advances on account of these of 520l. had been made. It was decided that the monthly payments to chemists in respect of their accounts should be at the rate of 75 per cent. till September 30. The Sub-Committee also reported consideration of the report of the Panel Committee upon their investigations of prescriptions for 1913 at the instance of the Pharmaceutical Committee. The Panel Committee stated that, in their opinion, the cost of the drugs ordered by the nineteen practitioners concerned during the three months ended January 11, 1914, was not in excess of what was reasonably necessary for the adequate treatment of their respective patients. The Sub-Committee stated that they found it difficult to reconcile the opinion of the Panel Committee with the tabulated statistics; also that, in their opinion, the report of the Panel Committee did not contain the information required under Article 40 of the Regulations, but that, having regard to the lapse of time, etc., no action should now be taken by the Committee. The reports were adopted.

**Burnley.**—It was reported to the Insurance Committee on September 28 that for the quarter ended June 30, 1915, 27,409 prescriptions (value 736l., and average cost 6.44d.) were dispensed, compared with 33,502 prescriptions (value 1,956l. and average cost 6.88d.) for the preceding quarter, and 3,502 prescriptions (value 1,444l., and average cost 8.71d.) for the corresponding quarter of 1914.

**Gloucester.**—At the meeting of the Insurance Committee, dissatisfaction was expressed at the delay in settling chemists' accounts for 1914. The Chairman explained that the delay was due to the difficulties arising through enlistments, and stated that chemists might look for payment at an early date.

**Hampshire.**—At a meeting of the Finance Sub-Committee at Winchester on September 15, it was resolved to pay chemists' August accounts as checked, and also the balance of the 1914 accounts. The Medical Benefit Sub-Committee on September 24 elected Messrs. Gee and Hutchings representatives of the Insurance Committee on the Prescription Checking Sub-Committee.—At a meeting of the Pharmaceutical Committee, on September 22, the Prescription checker's report for 1914 was adopted, and it was recommended that mustard-leaves should in future be allowed. The annual report of the Committee (C. & D., September 4, p. 54) was adopted.

**Hertfordshire.**—It was reported to the Insurance Committee on September 20 that the credits under the emergency settlement for 1914 will allow of chemists' accounts being paid in full. *Ex-gratia* payments for war-scheduled drugs amounting to 19*l.* 15*s.* 10*d.* had been made to chemists who filed in the necessary forms. The Clerk stated that Mr. E. J. George, checker, reported with regard to accounts submitted by a firm of chemists that excessive quantities of drugs were supplied at more frequent intervals than would be required. The Pharmaceutical Committee reported that the matter should come before the full Committee, and it was referred to a small Sub-Committee.

**Huddersfield.**—The Insurance Committee on September 22 passed a resolution protesting against the large sums reserved by the Commissioners from the Medical Benefit credits for 1915 on account of enlistments, and against the non-settlement of chemists' and doctors' accounts for 1914. The resolution is to be brought to the notice of the responsible Minister by the local member of Parliament.

**Liverpool.**—Under the auspices of the Liverpool Chemists' Association an "open meeting" was held at the Royal Institution, Colquitt Street, on Wednesday, September 29. Mr. G. V. C. Last presided. The attendance was large. Nearly two hours were devoted to a friendly discussion: (1) of the Report of the Departmental Committee on the National Insurance Tariff, (2) to the proposals of the London Association for the Conference of Association delegates to be held in London on October 20, (3) to decide what action the delegates (Mr. Last and Mr. W. H. Clubb) should take. The Chairman advised the meeting to limit discussion and resolution on the Tariff to the 0.8*d.* proposed for establishment charges. Much conversation however ensued, and the whole range of the subject became traversed. Mr. Lomax moved:

"That this meeting is horrified at the proposal, feels it cannot instruct its conference representatives to agree to accept such an offer, and suggests that new agreements on such a basis be not signed."

Mr. Kennedy pointed out, as an example of the loss which would be sustained by selling appliances at cost price, that a belladonna-plaster at 1*s.* 5*d.* a yard would cut to waste when specified sizes were prescribed, and might actually cost at the rate of 2*s.* 6*d.* per yard. [Belladonna-plaster is a drug, not an appliance.—EDITOR C. & D.] Eventually it was unanimously agreed that the 0.8*d.* for establishment charges must be reported by the delegates to be insufficient, several increases, each considerable, being suggested. The meeting voted in favour of: (a) The breaking bulk of proprietary pills; (b) a minimum profit of 25 per cent. on patents, perfumes, and toilet-soaps; (c) 20 per cent. on infants' foods, but by a small majority against absolute refusal to stock or sell proprietary articles advertised by the prescription method. The practicability of carrying out the last refusal was doubted, and Mr. Kennedy argued that pharmacists derived great advantage from the advertisements referred to. An appeal was made for recruits to the Liverpool Pharmacists' Voluntary Training Corps, which, founded on the London lines, has already over fifty members and sought to raise 100 to 150.

**Portsmouth.**—The Clerk to the Insurance Committee has issued to doctors and chemists under contract with the Committee a booklet containing notes and general information for panel doctors and chemists. Notes for pharmacists include information as to hours of supply, urgency-fees, copying-fee, foods, toilet-preparations, disinfectants, appliances, "repeat" mixtures, prescriptions, signature of prescriber on prescriptions, and accounts. The notes for doctors include a list of proprietary preparations and equivalents for these.

**Plymouth.**—At a meeting of the Insurance Committee, on September 24, it was resolved to call the attention of the Commissioners to the fact that, owing to enlistment of many of the best lives among the insured in the area, an unfair burden is placed on the Medical Benefit Fund, and urging the Government to make a special war grant to meet any deficiency in that Fund. The Committee also decided to support the Derbyshire Committee's resolution, complaining of the deductions from the quarterly credits for Medical Benefit, and asking for more generous treatment on the part of the Treasury. Mr. Roper pointed out that chemists are not specially mentioned in the Derbyshire resolution, whereas they had been supplying drugs from the commencement and had not been paid for them. It was decided to add chemists to the first resolution. The Clerk reported a shortage in the number of prescriptions returned by the Commission after investigation by the Drug Tariff Committee, and the Pharmaceutical Committee has been asked whether the lost prescriptions should

be treated at face value or the chemists should be debited or credited in the average correction found necessary in other prescriptions by the checker. The Pharmaceutical Committee decided that they should be taken at face value.

**Sheffield.**—The Insurance Commissioners have appointed Mr. J. T. Appleton, chemist, Walkley and Hillsborough, to fill the vacancy on the Insurance Committee caused by the resignation of Mr. G. T. W. Newsholme, Ph.C. Mr. Appleton is a member of the Sheffield and West Riding Pharmaceutical Committees. The general opinion of the report of the Departmental Committee on the Drug Tariff, among local chemists, is, on the whole, favourable, but it is claimed by all that the establishment-charge should be increased. Pharmacists favour the pricing of prescriptions by the Insurance Committee, provided proper safeguards are assured, as this part of the work has proved irksome in the past. The alterations in the prices of panel Formulary preparations for October are: No. 2, 1½*d.*; No. 4, 2½*d.*; No. 5, 6*d.*; No. 8, 3½*d.*; No. 25, 9*d.*; No. 49, 5½*d.*; No. 51, 11½*d.*; No. 62, 8*d.*; No. 66, 1*s.* 1*d.*; No. 67, 3½*d.*; No. 74, 9*d.*

**Shropshire.**—The Pharmaceutical Committee met on September 23. Mr. W. Gowen Cross, Ph.C., presiding. It was reported that chemists' 1914 accounts would be discounted 8 to 10 per cent. under the final settlement. The meeting resolved that a protest be sent to the Medical Benefit Sub-Committee, and a further resolution to the Panel Committee requesting them to take action with regard to several cases of wasteful prescribing noted by the checker. The large amount of malt and oil prescribed for patients in the urban districts was considered to be excessive, and it was pointed out that much of this should properly be charged to the Sanatorium Benefit Fund.

**Smethwick.**—The 1914-15 report of the Insurance Committee, recently issued, indicates that there is every prospect that the 1915 Drug Fund will be sufficient to pay chemists' accounts in full. The following summary of accounts is given:

Period	Accounts £	Number of Prescriptions (Approx.)	Average Cost per Insured Person on Doctors' Lists
1st half, 1913 ...	1,285	44,827	
2nd half, 1913 ...	1,407	45,211	2 <i>s.</i> 4 <i>d.</i>
1st half, 1914 ...	1,522	48,845	
2nd half, 1914 ...	954	31,404	2 <i>s.</i> 0.7 <i>d.</i>
1st half, 1915 ...	954	37,713	9.3 <i>d.</i>

It is stated that there is no intentional excessive prescribing in the area, and very little otherwise. Chemists have refused the emergency settlement for 1914, under which payments of 91.5 per cent. of the amounts of their accounts was offered. A local Formulary has been adopted for use by practitioners, and came into operation on January 1, 1915. There are twenty-seven chemists (thirty-five shops) on the dispensing panel. The Medical Service Sub-Committee considered five complaints against panel practitioners. There were no complaints against chemists.

**Soke of Peterborough.**—At a recent meeting of the Insurance Committee a member asked whether an insured patient could be supplied with an elastic stocking instead of an elastic bandage. The patient's panel doctor agreed that a stocking would be preferable, but these are not included in the Tariff. The Clerk stated that appliances not on the Tariff list could only be supplied by order of the Medical Benefit Sub-Committee, and in this case it was agreed that the stocking should be supplied. It was pointed out that elastic stockings are cheaper than the necessary length of elastic bandage. Dr. Clapham asked if dispensing doctors could supply necessary drugs and appliances not in the Tariff and charge the Committee, and a long discussion ensued on this point. Finally, it was decided that the Clerk should obtain the opinion of the Commissioners on the matter.

**Southport.**—The Insurance Committee on September 28 decided, on the recommendation of the Finance Sub-Committee, to pay 66.6 per cent. of the amounts of the chemists' accounts for July. Previous to June 1915 chemists' accounts were paid in full.

**West Bromwich.**—A meeting of the Pharmaceutical Committee was held on September 23. Messrs. Allen, Lock, and Kemsey-Bourne were elected as a Sub-Committee and to act as the Pharmaceutical Service Sub-Committee. The Secretary was instructed to make the necessary arrangements for the collection by the Insurance Committee of chemists' share of the expenses of the checking of prescriptions. The checker's report for the quarter ended June 30 showed that 15,626 prescriptions (value 378*l.* and average cost 5.81*d.*) were dispensed. Attention was directed to excessive and expensive prescribing by certain doctors.



Mistakes in pricing by chemists were usually to the Insurance Committee's advantage. The average cost per prescription for doctors with representative lists was shown as follows: 912 patients, 5.21*d.*; 417, 6.16*d.*; 718, 5.64*d.*; 1,086, 5.93*d.*; 2,055, 5.76*d.*; 751, 7.63*d.*; 1,764, 6.49*d.*; 2,561, 5.27*d.*; 1,583, 4.32*d.*; 824, 7.34*d.*; 703, 4.35*d.*

**Worcestershire.**—The new Pharmaceutical Committee met at Kidderminster on September 23, when the following office-bearers and members of Committee were appointed: *Chairman*, Mr. W. Corbett (Bromsgrove); *Vice-Chairman*, Mr. A. W. Gedge (Malvern Link); *Secretary*, Mr. Donald Pout (Worcester); *Pharmaceutical Service Sub-Committee*, Messrs. Corbett, Gedge, and S. Harris; *Joint Services Sub-Committee*, Messrs. Corbett and Gedge. The report for 1914-15 was considered and adopted. The Clerk of the Insurance Committee wrote stating that, in view of the Commissioners' instructions the Committee consider it inadvisable to pay more than 80 per cent. of chemists' accounts. The Committee had considered the Pharmaceutical Committee's suggestions regarding prescription-checking, and decided that the existing system is adequate for the present. The following pharmacists were nominated to serve on District Committees: Mr. J. J. Meakins (Evesham); Messrs. W. W. Price and T. G. Rhodes (Kidderminster); Mr. A. W. Smith (Perschore); and Messrs. S. S. Taylor and Dolphin (Redditch).

### SCOTLAND.

**Banffshire.**—It was reported to the Insurance Committee on September 18 that chemists' accounts for 1914 would be paid in full. For the first quarter of 1915 85 per cent. of the accounts had been paid, and for the second quarter 6*d.* per prescription, pending checking by the Central Bureau.

**Edinburgh.**—The Insurance Committee on September 23 approved of a temporary arrangement by Mr. John Muir, chemist, 7 Crichton Place, Leith Walk, to close daily between 2 and 3 p.m. owing to the scarcity of assistants. It was reported that copies of Appendices VII. and VIII. to the Drug Tariff had been distributed to panel practitioners. The name of Mr. John Lochran, chemist and druggist, 463 Lawnmarket, was added to the list of dispensing chemists. A report from the Central Checking Bureau on the May prescriptions was remitted for joint consideration and report to a Special Sub-Committee and representatives of the Pharmaceutical Committee. The Clerk reported that chemists had been paid 363*l.* for July and 342*l.* for August, and that the Committee has still in hand the balances due for January to May (302*l.*). The drug accounts for the first half of 1915 amounted to 3,430*l.*

**Kirkcaldy.**—At a meeting of the Insurance Committee, on September 24, the Chairman (Councillor Garnock) said that there is a suggestion to abolish separate Insurance Commissions for Scotland and Wales, and there is a feeling that the smaller Committees, such as Kirkcaldy, with 40,000 of a population, might also be abolished in the near future. In the area they had about 15,000 insured persons, and were spending 7,000*l.* annually on Medical Benefit. Judge Peebles (chemist) spoke on the improvement of the general health of the community and against any proposal for the merging of the Burgh into the County Committee. The County Insurance Committee, on September 25, protested against the suggested abolition of the Scottish Insurance Commission.

**Selkirkshire.**—The Insurance Committee, on September 23, approved of the proposals forwarded by the Central Checking Bureau regarding chemists' accounts. A letter was read from the Secretary of the Pharmaceutical Committee suggesting that the prescribing of proprietary medicines and secret remedies should not be allowed. A list of substitutes was forwarded which, it was suggested, should be adopted by the Committee. Replying to a question, the Clerk stated that in 1913 the Committee paid to chemists bonuses of 48 per cent., and in 1914 80*l.* in the form of bonuses. Mr. O'Hara thought the Committee ought to carry this money forward, and it was decided to remit the matter to the Medical Benefit Sub-Committee.

**Stirlingshire.**—The Medical Benefit Sub-Committee on September 22 reported to the Insurance Committee that the Pharmaceutical Committee is opposed to the Central Checking Bureau pricing prescriptions, and the Commissioners were asked to authorise the present arrangements to be continued, which they have done. The Pharmaceutical Committee has agreed to contribute one-third of the local share of the expenses of the Central Checking Bureau (not exceeding 25*l.*). The Clerk did not anticipate that the contribution required would exceed that amount.

### Pharmaceutical Standing Committee (Scotland).

The Committee met at 36 York Place, Edinburgh, on Wednesday, September 22. Present: Messrs. Bell, Bennett, Cox, Drummond, Forbes, Giles, D. Gilmour, T. Guthrie, Kitchin, McNab, McVittae, Reekie, Simpson, and Yule. Mr. J. P. Gilmour was also present. Mr. Guthrie was elected Chairman, and Mr. David Gilmour Vice-Chairman. An appreciation of Mr. J. P. Gilmour's services was ordered to be entered on the minutes. After some formal business various matters regarding the

#### DEPARTMENTAL COMMITTEE ON THE DRUG TARIFF

were considered. Mr. J. P. Gilmour gave his reasons for signing the Report with reservations. The Committee had not sufficient evidence that the proposed flat rate for establishment charges is fair or adequate. His own experience is that it is far too low. He spoke about his other objections as given in the *C. & D.*, September 18. He expressed his conviction that the estimate that the scale of dispensing-fees would give an average fee of 3*d.* per prescription in Scotland is fallacious, and that the result would be a serious reduction in the pharmacist's remuneration. He drew attention also to the circular issued by the British Medical Association (*C. & D.*, September 18, p. 55). This, he said, raised points of very great interest to Panel chemists, and deserved their most serious consideration.

Mr. Kitchin submitted a detailed analysis of the proposed Drug Tariff and scale of dispensing-fees. He found that the Drug Tariff in certain instances results in the chemist getting less than wholesale cost-price for articles supplied. The scale of dispensing-fees is not free from ambiguity, and it will need very careful interpretation before one can be certain what is really intended. Taking what he thought the scale intended, he had priced forty typical National Insurance prescriptions according to the existing Tariff, and also according to the proposed Tariff, on prices ruling at September 15. Summarised the figures came out as follows:

Prescriptions	Total Values				Loss
	1915		1916		
	Drugs <i>d.</i>	Fees <i>d.</i>	Drugs <i>d.</i>	Fees <i>d.</i>	
25 for mixtures, lotions, liniments, &c. ...	193.00	55.0	125.73	66.0	56.27
3 for powders ...	12.5	7.0	7.24	9.4	2.86
1 for ointments ...	3.5	3.0	1.85	3.6	1.05
1 for pills...	3.0	4.0	1.05	5.6	0.35
3 for capsules and palati- noids ...	39.0	14.0	32.07	5.4	15.53
3 for tablets ...	9.0	9.0	3.62	13.2	1.18
2 for plasters ...	6.0	—	1.58	3.6	0.82
2 for suppositories ...	22.5	—	10.5	3.6	8.4
Totals ...	288.5	92.0	183.64	110.4	86.46
	92.0	—	110.40	—	—
Grand total...	380.5	—	294.04	—	—

Thus the proposed Drug Tariff gives 7*s.* 2½*d.* less for the forty prescriptions, or 2.16*d.* less per prescription, which is almost 25 per cent. Mr. Kitchin concluded that the proposal is hopelessly inadequate. Mr. Simpson said he had, in the limited time available, endeavoured to test the new Drug Tariff and scale of dispensing-fees, and his results practically corroborated Mr. Kitchin. After a full discussion it was unanimously resolved to remit the matter to the Sub-Committee on Drug Tariff, Statistics, and Agreements, with instructions to intimate to the Scottish Insurance Commissioners that the Standing Committee is unanimously of opinion that it is financially impossible to accept the proposals of the Departmental Committee Report as they stand as a basis of agreement for National Health Insurance Pharmaceutical Service. It was further remitted to the Sub-Committee to go more thoroughly into the whole matter, and prepare a report and recommendations to be submitted to a meeting of the Standing Committee on Wednesday, October 13, and to be considered by a meeting of the General Council of Panel Chemists (Scotland) to be called for the afternoon of the same day. The Sub-Committee was further empowered to communicate with the Scottish Insurance Commissioners, and, if deemed advisable, arrange to be heard by deputation. Mr. Forbes suggested that the Sub-Committee might consider how far, and in what way, it might be possible to reach a basis of agreement by a satisfactory modification along the general lines of the Departmental Committee's Report.

Mr. Balfour Reekie was elected a member of the Sub-Committee on Drug Tariff, Statistics, and Agreements, in room of Mr. J. P. Gilmour.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., September 30, 6.30 p.m.

**B**USINESS is reported as not being so brisk this week, and, although there is no particular weakening tendency in values of synthetic chemicals, the lull in demand continues, and, apart from the large outlay of capital, buyers are cautious in stocking articles at present inflated prices. We understand that the War Trade Department has suddenly become more rigorous again in granting export permits, and refusals have been on a larger scale. There is no particular difficulty in obtaining permits for miscellaneous drugs and chemicals for the Colonies, the restrictions applying more for exports to neutral and allied countries for large quantities, which are turned down altogether. Among chemicals, bichromates have been advanced  $\frac{1}{2}d.$  per lb.; sulphate of copper is quotably clearer. Nitrate of soda is firmer; soda hyposulphite and ammonia sulphate are easier. Cream of tartar and tartaric acid are both firm. Citric acid is steadier. Refined camphor is steady and menthol firmer on spot, with business at the recent advance. Quinine is very firm, and cod-liver oil is not likely to be any cheaper this winter. Among drugs, castor oil is dearer; ippecacuanha is steady; kola firm; and nux vomica easier; otto of rose is dearer. The opium alkaloids are very firm, makers being extremely busy and having to refuse business. Among seeds, canary and fenugreek are steady; caraway, fennel, and linseed firm; coriander and cummin dearer. Cinnamon is higher. French herbs, such as sage, marjoram, mint, etc., yield smaller crops this year, and prices are higher. The principal changes are as under:

Higher	Firmer	Easier	Lower
Acetic acid	Castor oil	Ammonia	Cocaine
Bichromates	Copper	sulphate	Coconut oil
Cinnamon	sulphate	Celery-seed	(Ceylon c.i.f.)
Coriander-seed	Cottonseed oil	Epsom salt	Furpentine
Cumin-seed	Menthol	Lemon oil	
Glucose	Opium	Lime oil	
Orris	Peppermint	(W.I.)	
Otto of rose	oil (Amer.)	Nux vomica	
Soda chromate	Quinine	Palm oil	
	Rape oil	Soda	
	Soda nitrate	hyposulphite	

A drug-auction will be held next Thursday, October 7.

### Cablegram.

NEW YORK, September 30. Business in drugs is active. Opium has advanced to \$8.25. Peppermint oil in tins is firmer at \$1.60. Menthol is steady at \$2.60. Curaçao aloes is easier at 13c., and Mexican sarsaparilla at 13c. Serpentina is easier at 35c., and balsam Peru is dearer at \$3.75.

### London Markets.

ACETIC ACID is a very firm market owing to the scarcity of acetate of lime, and makers have been compelled to raise their prices to 110/ per ton for glacial 99 to 100 per cent., and to 86/ for 80-per-cent. commercial ex wharf.

ACETIC ANHYDRIDE is now being produced largely in Holland and reasonable supplies can be obtained at short notice.

ACETONE on spot is extremely scarce, being worth fully 160s. per cwt.

AGAR-AGAR.—Sales of No. 1 Kobe strip for January-February shipment have been made at 1s. 9 $\frac{1}{2}d.$  per lb. c.i.f.

AMMONIA SULPHATE is dull and the turn easier at 13/ 15s. per ton net, naked at works, London, for 25-per-cent.

ammonia; Hull, 24-per-cent., is 14/ 7s. 6d.; Liverpool, 14/ 10s.; Leith, 14/ 12s. 6d. per ton in bags f.o.b., less 3 $\frac{1}{2}$  per cent.

ANISE OIL, STAR.—To arrive further business has been done in "Red Ship" brand for October-November shipment at 2s. 10 $\frac{1}{2}d.$  per lb. c.i.f.; spot sellers quote 3s. 3d.

ANISEED.—Spanish is offering at 41s. per cwt. on the spot.

ARROWROOT.—St. Vincent manufacturing quality is quoted at 2 $\frac{3}{4}d.$  to 2 $\frac{1}{2}d.$ , and fine ditto 4d. to 4 $\frac{3}{4}d.$

ARSENIC.—The scarcity continues and still higher prices will probably be realised this winter; for best English powdered 30/ per ton is quoted.

BALSAM CANADA is selling at 4s. 3d. per lb. on the spot for finest quality.

BALSAM TOLU is steady at from 1s. 10d. to 2s. per lb. spot, as to holder.

BELLADONNA-ROOT.—Nothing is offered on the spot; there is a good inquiry.

BENZON.—The arrivals this week include about 200 cases from Singapore.

BICHROMATES.—Potash crystals or powder are not officially quoted, and price is a matter of negotiation. Other salts have been advanced  $\frac{1}{2}d.$  per lb., and are: Ammonia (78 to 79 per cent. chromic acid), 7 $\frac{3}{4}d.$ ; soda, powdered anhydrous (73 to 74 per cent.), 6d.; ditto, crystals or cake (67 to 68 per cent.), 5 $\frac{1}{2}d.$ ; powdered chromate of soda (59 to 60 per cent.), 5 $\frac{1}{2}d.$  per lb., all without engagement.

BISMUTH SUBNITRATE.—American supplies have been absorbed for the time being, and it is difficult to purchase anything at present.

BROMIDES.—A few small sales have taken place during the week, but, with the exception of an urgent demand for the ammonium salt, there has been no great activity.

CAMPHOR (REFINED) is steady, with spot sales of 2 $\frac{1}{2}$ -lb. slabs at 1s. 6d. per lb.; there are sellers of  $\frac{1}{4}$ -oz. tablets at 1s. 6 $\frac{1}{2}d.$  c.i.f., and on the spot 1s. 8 $\frac{1}{2}d.$  is quoted.

CANARY-SEED is steady at 74s. to 77s. 6d. per quarter for fair to good Morocco.

CARAWAY-SEED is firm at 40s. per cwt. for fair Dutch.

CASCARA SAGRADA remains unaltered, with last year's crop offering at 50s. and 1913 crop at 52s. 6d. on the spot.

CASSIA OIL is steady, with sellers of 80 to 85 per cent. c.a. at 2s. 7 $\frac{1}{2}d.$  to 2s. 8d. per lb. c.i.f., and on the spot sellers quote 3s. 1d.

CASTOR OIL.—Italian finest medicinal in tins in cases is quoted at 60s. per cwt. net. English make is 42/ to 42/ 10s. for first pressing in barrels ex wharf London. Hull make of first pressing for November or December delivery is 38/ 10s. and January-June 1916 (equal monthly quantities) 37/ 10s.; pharmaceutical quality in barrels is quoted 3/ 10s. per ton over the price of firsts in barrels. In Liverpool good seconds Calcutta is quoted 3 $\frac{3}{4}d.$  to 4d. per lb. on spot.

CELERY-SEED is quoted for prompt shipment at from 130s. to 140s. per cwt. c.i.f., and on the spot values are from 120s. to 125s. The tendency is easier.

CHAMOMILES.—Some small Belgian old crop are offered at 125s. on the spot, and for new French from 135s. to 145s. is quoted.

CINNAMON is higher. Ceylon assortment for October-November shipment having been sold at 8d., with 8 $\frac{1}{4}d.$  asked; chips offer at 2 $\frac{1}{2}d.$  and 2 $\frac{3}{4}d.$  c.i.f. for f.a.q. in 2-cwt. packages.

CITRIC ACID has a slightly steadier feeling owing to fewer offers from the producers; substantially prices are unchanged at 3s. 1d. to 3s. 2d.

CLOVES.—Zanzibar are steady on the spot at from 6 $\frac{1}{2}d.$  to 6 $\frac{3}{4}d.$  per lb., as to quality; to arrive October-December shipment has been sold at 5 $\frac{3}{4}d.$  c.i.f. d.w., and value.

COCAINE is slightly cheaper, hydrochloride offering at 13s. per oz.

COCOA-BUTTER.—Sellers of English quote 1s. 8 $\frac{1}{2}d.$  per lb., which has been paid. The new duty is 1 $\frac{1}{2}d.$ , compared with 1d. At auction 50 cases Brazilian sold at 1s. 7 $\frac{1}{4}d.$  to 1s. 6 $\frac{3}{4}d.$  to 1s. 7d. in bond.

CODEINE is unchanged at 23s. per oz. for the pure crystals. Makers are extremely busy, and are unable to book any large contracts.

COD-LIVER OIL.—A Norwegian refiner advises that there has this year already been sold and shipped much larger quantities of oil from Norway than usual, and the remaining stocks are therefore much smaller. Quotations are from 315s. to 325s. (and one of 350s.) c.i.f. London. Our Bergen correspondent writes that the quotation for medicinal oil is nominal.



**COPPER SULPHATE** is firmer at from 27*l.* 15*s.* to 28*l.* per ton for the usual Liverpool brands; there is a fair inquiry.

**CORIANDER-SEED** is dearer at 13*s.* 6*d.* to 14*s.* per cwt. for common to ordinary Morocco and at 15*s.* for good.

**CREAM OF TARTAR**.—Very quiet, but this year's crop of argol, which is likely to be smaller than the previous, helps to keep the market firm at 185*s.* per cwt. for spot delivery.

**CREOSOTE** ex beechwood is quoted at 7*s.*

**CUMIN-SEED** is dearer, with business at 85*s.* per cwt. for fair Morocco.

**EPSOM SALT** is offering at easier prices ex stock from the North of England.

**ETHYL MORPHINE**.—There are some large orders in hand by makers, and further business cannot be undertaken for the present; 21*s.* per oz. has been paid.

**FENNEL-SEED** is firm at 24*s.* per cwt.

**FENTUGREEK-SEED** is steady at 11*s.* 6*d.* per cwt. for good Morocco.

**GINGER**.—The private business includes 400 bags fair Cochín at 26*s.* to 26*s.* 6*d.* Calicut is quoted 26*s.* to 28*s.*, and washed 30*s.*; C cut in bags, 40*s.* to 42*s.* 6*d.*; common to good common Jamaica, 55*s.* to 59*s.*; and medium, 60*s.* to 65*s.*

**HERBS**.—Very fair arrivals of new French herbs are taking place, including sage, majoram, and mint; supplies are, however, below the average and higher in price.

**HONEY** is in fair demand, fair to good bright Jamaica offering at 30*s.* to 32*s.* 6*d.* and dull liquid at 27*s.* 6*d.* per cwt. At auction in Liverpool 163 barrels Chilian sold at 32*s.* 6*d.* to 33*s.* for pile 1, 28*s.* 6*d.* to 29*s.* for pile 2, and 26*s.* for pile 3, all from store.

**IPECACUANHA** is steady. Small sales of Matto Grosso from first-hands have been made at 15*s.* per lb.

**KOLA**.—At auction in Liverpool 50 bags dried African (naval prize) sold at 7*l.* per lb. ex store; on the spot (London) from 6*d.* to 6½*d.* is quoted for West Indian, etc.

**LAVENDER-FLOWERS** are offered rather more freely, but at very high prices, values being from about 50*s.* to 85*s.* per cwt., as to quality.

**LEMON OIL**.—Some good arrivals having taken place, spot prices are easier, good brands offering at 3*s.* 10*d.* on the spot, and to arrive 4*s.* c.i.f. is quoted. It is reported that an export duty equal to 1*l.* per lb. has been placed on lemon and one of 2*l.* on bergamot and orange. A Sicilian advice, dated September 25, reports a quiet market with practically no demand either locally or from abroad, and prices have slightly declined.

**LIME OIL**.—Demand having fallen off, the tendency is again easier at from 7*s.* 3*d.* to 7*s.* 6*d.* per lb.

**LINSEED** is firm at 61*s.* to 62*s.* 6*d.* per quarter for good quality.

**LIQUORICE-ROOT**.—Supplies are still difficult to obtain, and shippers in the South of France are asking 37*l.* 10*s.* per ton c.i.f. for common natural; decorticated sticks are quoted 62*s.* 6*d.* to arrive.

**MENTHOL**.—The spot price is firmer at from 9*s.* to 9*s.* 3*d.* for Kobayashi-Suzuki, with small sales.

**MORPHINE** is firm at about 13*s.* 3*d.* per oz. net for hydrochloride powder. Makers are extremely busy, and refuse to entertain large orders.

**MUSK**.—Artificial powder or crystals (100-per-cent.) is quoted at 31*s.* per lb. net.

**NUX VOMICA**.—Owing partly to the decline in freights, market tendency is easier, and bids are being solicited from India for the new crop, but it is yet too early for business. The spot value of fair Madras is 18*s.* per cwt.

**OILS (FIXED)**.—*Linseed* is firmer on the week, pipes on the spot closing at 26*s.* 6*d.* and barrels at 27*s.* 3*d.* *Cottonseed* is dearer at 28*s.* for crude in pipes, 31*s.* for pale refined in pipes, and 36*s.* to 37*s.* for sweet refined in barrels, all spot. *Ceylon Coconut* is unchanged at 43*s.* 6*d.* in hogsheds and 41*s.* 6*d.* in pipes, but prices for shipment are lower at 38*l.* c.i.f. afloat; Cochín is unchanged at 44*s.* to 47*s.*; London pressed is 32*s.* 6*d.* *Colza* is firm at 34*s.* to 35*s.* for ordinary brown, naked, on spot, and 36*s.* to 38*s.* for British refined in barrels. *Lagos Palm* is easier at 29*s.* 6*d.* spot, and 27*s.* 3*d.* ex store Liverpool. *Soya* is unchanged at 23*s.* 6*d.* c.i.f. London on passage; Hull (spot extracted) is 24*s.*

**OPIMUM**.—The firmer tendency noted last week has made further progress, inasmuch as 24*s.* has been paid for Turkey druggists' 11 per-cent. on the spot, and there are further buyers; in Persian a fair business has been done at up to 21*s.* for good test.

The gross revenue derived from the sale of opium by the Hong-Kong Government during the period from March

to December 1914 under Government management was \$3,594,284, against the opium-farmers' yearly payment of \$2,573,000. The cost of raw opium and administrative charges amounted roughly to \$900,000. The official report states that the enormous difference between the price of certified Indian opium and of uncertified and Persian opium has encouraged attempts to smuggle the drug through the colony into China on a large scale, and the traffic appears to be increasing.

**ORRIS**.—The Florentine crop, it is said, will be much less and of poorer quality this year. Shippers' prices, however, do not appear to be definitely fixed, and may be expected to open at from 50*s.* to 60*s.* per cwt. c.i.f.; spot prices of fairly good Florentine sorts are from 50*s.* to 52*s.* per cwt.; demand has improved of late.

**OTTO OF ROSE**.—The demand from consumers has improved somewhat, probably owing to the mysterious attitude of Bulgaria, and prices are better at from 25*s.* to 30*s.* per English oz. for guaranteed pure on analytical certificate, as to brand.

**PALM-KERNELS**.—At auction in Liverpool 4,703 bags (naval prize) sold 14*l.* 11*s.* 3*d.* per ton.

**PEPPERMINT OIL**.—American tin oil is firm at 8*s.* 3*d.* to 8*s.* 6*d.* per lb. net on the spot.

**PHENACETIN**.—At the present level of prices the production is bound to increase and consumers are cautioned against buying more than current requirements.

**POTASH PERMANGANATE**.—Small sales have been made at about 270*s.* per cwt.

**POTASH PRUSSIAN** is very scarce; small sales have been made at 2*s.* 5*d.*

**QUICKSILVER** closes at from 16*l.* 5*s.* to 16*l.* 10*s.* per bottle.

**QUININE**.—Some large sales of the usual Continental brands of sulphate have been made from second-hands at 2*s.* to 2*s.* 0½*d.* for prompt delivery, and for December 2*s.* 2*d.* has been paid. Certain reasons have prevented the Continental makers from following the advance obtained by second-hand holders, and it looks as if the shortage which is likely to exist for the next few months will enable holders to realise a profit at present prices.

**QUININE ETHYL CARBONATE** is dearer, 70*s.* per lb. net being asked.

**SAFFRON**.—Prices vary from 41*s.* to 45*s.* per lb. net as to quality, the latter price being for finest genuine Valencia.

**SALOL**.—Values are from about 28*s.* to 30*s.* per lb. as to seller.

**SANDALWOOD OIL** is firm at from 30*s.* to 32*s.* per lb. for finest English distilled.

**SARSAPARILLA**.—Grey Jamaica is selling in small lots at 1*s.* 10*d.* per lb. from first hands, who also quote 9½*d.* net for Vera Cruz on spot.

**SENEGAL** on the spot is quoted at 1*s.* 11½*d.* net and to arrive at 1*s.* 9½*d.* c.i.f.

**SENNA**.—At an auction, held on September 23, 243 bales Tinnevely offered, and about 140 sold at from 1*l.* to 2*l.* per lb. decline, comprising common to ordinary small and medium leaf 5½*d.* to 6½*d.*, and fair greenish medium to bold 6½*d.* to 7½*d.* (one lot 8*d.*). *Pods* sold at from 3½*d.* to 4½*d.* Alexandrian pods are quoted 2*s.* 3*d.* and siftings are scarce at 8½*d.*

**SHELLAC** is quiet with small sales on a basis of 69*s.* per cwt. for fair TN Orange; good is quoted 70*s.*, fine Orange 82*s.* 6*d.* to 85*s.*. A free AC Garnet 66*s.*, and G.A.L. 61*s.* 6*d.* The sales for delivery include October at 69*s.* and December at 70*s.* 6*d.*

**SODA HYPOPHOSPHITE**.—Spot price is slightly easier at from 17*l.* 10*s.* to 18*l.* per ton ex wharf.

**STARCHES**.—American *pearl* is offered at cheaper rates in all positions, especially for spring 1916 delivery. The spot (London) price is 13*s.* 10½*d.* and powdered 14*s.* 1½*d.*

**SULPHONAL** is quoted at 30*s.* per lb.

**TARTARIC ACID** is firm at from 2*s.* 2*d.* to 2*s.* 2½*d.* per lb. on spot.

**TURPENTINE** had advanced to 35*s.* 10½*d.* per cwt. by Wednesday for American on the spot, but to-day (Thursday, 4 P.M.) the market fell to 35*s.* 3*d.* (paid).

**WAX, BEES**.—At auction in Liverpool 518 blocks Sierra Leone sold at 7*l.* per cwt.

**WAX, VEGETABLE**.—Japanese is unchanged at 52*s.* 6*d.* on the spot for good pale squares and at 54*s.* c.i.f.

### Heavy Chemicals.

Manchester, September 28.

Trade on home and export account has been well maintained in heavy chemicals. Bleaching-powder is steady and in short supply at 10*l.* 10*s.* to 12*l.* 10*s.* per ton, accord-

ing to delivery. Caustic soda is in small compass: 75 to 77 per cent. is 14*l.* 10*s.* to 15*l.*, and 60 to 62 per cent. 13*l.* 13*s.* to 14*l.* per ton on rails at works, according to delivery. Bicarbonate of soda 5*l.* per ton on rails at works, with extra prices for shipment. Soda crystals are unchanged at 45*s.* per ton in bags at works. Salt cake active. Ammonia alkali is steady at 2*l.* 17*s.* 6*d.* to 3*l.* 10*s.* per ton in bags on rails. Nitrate of soda is firm at 13*s.* 4*d.* to 13*s.* 6*d.* for 95 per cent.; refined, 14*s.* 4*d.* to 14*s.* 6*d.* In glycerin. French advices are to the effect that prices tend upwards, but so far as can be ascertained the French Government has issued no permits for export. There is no change to note locally. Sulphur is higher. Sulphate of copper is also higher at 28*l.* 2*s.* 6*d.* to 28*l.* 5*s.* per ton, delivered Manchester. White powdered arsenic is scarce, at 25*l.* 10*s.* to 30*l.* 10*s.* per ton Manchester. Rectified sulphuric acid steady at 5*l.* 10*s.* to 6*l.* 10*s.* per ton, 167° to 170° Tw., on rails. Tartaric acid is the turn higher. Coal-tar products are quiet, with benzols and carbolic acid still nominal. Sulphate of ammonia is steady at 13*l.* 15*s.* London. 14*l.* 7*s.* 6*d.* Hull. 14*l.* 12*s.* 6*d.* Leith, 14*l.* 12*s.* 6*d.* per ton on rails Manchester.

### Arrivals of Chemicals, Drugs, etc.

During the period September 22 to 28, inclusive, the following produce from the places mentioned in parentheses has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

*To London.*  
Acetic acid (N. York) brls. 75, (Rotterdam) pkgs. 92  
Acetic anhydride (Treport) cks. 2  
Acids (Treport) cks. 17  
Agar-agar (Kobe) 60  
Anise (Malaga) bgs. 40, (Ali-cante) 40  
Antimony ore (Melbourne) bgs. 69  
Arachis oil (Rotterdam) cks. 420  
Argol (Lisbon) bgs. 167, (Barcelona) cks. 72, (Messina) bgs. 250, (Naples) 178  
Arsenic (Oporto) cks. 126  
Barium chlor. (Barcelona) brls. 20  
Barytes (Philadel.) brls. 96, (N. York) 320  
Benzoin (Havre) cks. 10  
Bergamot oil (Messina) 1 cs. 19  
Borax (Dunkirk) pkgs. 467  
Cajuput oil (Singapore) cs. 50  
Calamus-root (Amsterdam) 20  
Calcium carbide (Gothenburg) dms. 2,720  
Camphor (Japan) cs. 40  
Caraway oil (Rotterdam) cs. 22  
Caraway-seed (Holland) 100  
Carbonic acid (Rotterdam) tubes 30  
Casein (N. York) pkgs. 175, (Charente) 491, (B. Ayres) 200  
Chaulmoogra oil (Calcutta) cs. 35  
Chemical prod. (Treport) cks. 12  
Chemicals, drugs, medicines, etc. (N. York) pkgs. 119, (Boulogne) pkgs. 22  
Citronella oil (Rotterdam) dms. 10  
Coconut oil (Calcutta) cks. 99  
Cod oil (Halifax) cks. 115  
Cream of tartar (N. York) pkgs. 68, (Marseilles) cks. 36  
Drugs (N. York) cs. 47, (Paris) bgs. 30  
Dyes (Amsterdam) cks. 62  
Epsom salt (N. York) brls. 293  
Ergot (Oporto) bgs. 16  
Essential oils (Messina) pkgs. 176, (Amsterdam) cs. 5, (B. Ayres) cs. 15, (N. York) cs. 23, (Marseilles) cs. 6  
Eucalyptus oil (Melbourne) cs. 40  
Formaldehyde (N. York) brls. 114  
Fruit-essences (Rotterdam) pkgs. 22  
Galls (Marseilles) cs. 50  
Gelatin (St. Nazaire) cs. 11, (Paris) brs. 29, (Treport) 44  
Geranium oil (St. Nazaire) cks. 2  
Glucose (N. York) 1,619  
Glycerin cr. (Santos) dms. 13  
Gum copal (Singapore) pkgs. 2,699  
Gum damar (Singapore) pkgs. 769  
Gum kauri (Auckland) pkgs. 1,436  
Gums, undescribed (Bordeaux) brs. 10, (Australia) bgs. 1,984  
Herbs (Nantes) pkgs. 27, (Japan) bgs. 20, brs. 50  
Indigo (Calcutta) cs. 5, (Madras) 98  
Insect-flowers (Kobe) brs. 15  
Juniper-berries (Leghorn) bgs. 31  
Lemon oil (Messina) pkgs. 201, 1/2 cs. 20 (see also Essen. oils)  
Lime oil (Montreal) cs. 24  
Linseed (Calcutta) bgs. 11,813, (Karachi) 1,904  
Liquorice-juice (Marseilles) cs. 63  
Lithopone (Holland) 92  
Magnes. carb. (Philadel.) bgs. 200  
Magnesite cal. (Montreal) bgs. 14  
Magnesium metal (Montreal) dms. 5  
Milk-sugar (N. York) brls. 10  
Mineral waters (France) cs. 1,369  
Mineral white (Bordeaux) 100  
Mint oil (Japan) cs. 50  
Nux vomica (Calcutta) pkts. 91  
Olive oil (Marseilles) pkgs. 54, cks. 26, (Genoa) cks. 26, cs. 54  
Opium (Calcutta) cs. 30, (Japan) cs. 8, (Marseilles) cs. 10, (Archangel) cs. 30  
Orchella-weed (Lisbon) brs. 178  
Orris (Leghorn) brs. 46  
Paraldehyde (N. York) cs. 5  
Pepper (Penang) bgs. 59  
Perfumery (Treport) cs. 12, (Paris) 6, (Boulogne) 7, (Amsterdam) cs. 10, (Melbourne) cs. 15  
Petrolatum (N. York) brls. 228  
Potash cyanide (N. York) cs. 120  
Potash iodide (Kobe) cs. 20  
Quinine (N. York) cs. 28, (Amsterdam) cs. 175  
Rape-seed oil (Japan) cs. 1,000  
Roots, barks, herbs, etc. (Marseilles) brs. 150, leaves, dried (Marseilles) brs. 200, pkgs. 422; seeds (Marseilles) pkgs. 461  
Rose-water (Marseilles) brls. 12, cs. 12  
Rosin (Bordeaux) 225  
Saltpetre (Calcutta) bgs. 1,978  
Sarsaparilla (N. York) brs. 22  
Seaweed (Amsterdam) brs. 200  
Shellac (Calcutta) 914; button 10, garnet 86  
Soda hypo (N. York) brls. 50  
Soya-bean oil (Japan) cs. 1,000

Tamarinds (Calcutta) cks. 94  
Tannic acid (Treport) cks. 5  
Tartar (Lisbon) bgs. 139, (Barcelona) brs. 59, (Ali-cante) 317, (Messina) cks. 30, (Naples) cks. 37  
Tartaric acid (Naples) brls. 10, (Leghorn) cks. 40  
Vanilla-beans (via Auckland) cs. 82, (Marseilles) cs. 9  
Wax, bees' (Calcutta) cs. 12, (Rotterdam) brs. 13, (Marseilles) pkgs. 2,495, (Durban) cs. 6  
Wax, veget. (Japan) 100  
Zinc oxide (N. York) 800, (Rotterdam) cks. 595  
Zinc sulphate (Rotterdam) cks. 30

### To Liverpool.

Agar-agar (Kobe) 20  
Albumen (Shanghai) cks. 153  
Alcohol, wood (Norfolk. Va.) dms. 70  
Antimony ore (Halifax) brls. 151  
Argol (Naples) bgs. 202, (Oporto) 735  
"Balsams" (Cartagena) cs. 23  
Barytes (Barcelona) bgs. 2,393  
Boric acid (Leghorn) cks. 8  
Calcium borate (Antofagasta) bgs. 4,156  
Calcium citrate (Demerara) bgs. 12  
Canary-seed (Cadiz) 500  
Caraway-seed (Rotterdam) 195  
Chemical prod. (Genoa) cs. 9  
Cochineal (Callao) bgs. 6  
Coconut oil (Sydney) dms. 1,630  
Cod oil (St. John's, N.F.) cks. 510  
Cod-liver oil (St. John's, N.F.) cs. 18, cks. 11  
Cream of tartar (Barcelona) cks. 5, (Bordeaux) cks. 46  
Divi-divi (Curacao) bgs. 1,724  
Drugs (N. York) cs. 54  
Fennel-seed (Salonica) bgs. 644  
Glycerin (Oporto) dms. 20  
Gum acacia (Bordeaux) bgs. 100  
Gum copal (W.C. Africa) bgs. 17  
Honey (Curacao) brls. 17  
Illipe nuts (Singapore) bgs. 6,105  
Indigo (Calcutta) cs. 20  
Lime-juice (Demerara) brs. 16  
Linseed (Santa Fe) bgs. 3,631  
Liquorice-paste (Philadel.) cs. 50  
Lithopone (Rotterdam) cks. 84  
Magnes. chlor. (N. York) cks. 75  
Magnesite, raw (Kymassi) tons 3,220  
Menthol (Kobe) cs. 15  
Milk-sugar (Leghorn) cs. 12  
Mineral waters (Rouen) cs. 350  
Mineral white (Bordeaux) 400  
Nutmegs (Singapore) cs. 107  
Olive oil (Seville) brls. 522, (Malaga) cks. 30, (Bordeaux) cs. 146

*To Manchester.*  
(From September 14 to 28 inclusive.)

Acetic acid (Rotterdam) cks. 20, (Philadel.) brls. 169, pkgs. 140  
Alum (Boston) bgs. 2,279  
Aniline dyes (Marseilles) cks. 120  
Antimony salts (Rouen) cks. 24  
Arachis oil (Rotterdam) cks. 120  
Calcium carbide (Odda) dms. 2,250, (Montreal) dms. 3,000  
Calcium phosphate (Boston) pkgs. 50  
Carbon, black (Philadel.) 360  
Citric acid (Marseilles) 8  
Cream of tartar (Marseilles) cks. 40, (Palermo) cks. 56  
Dextrin (Philadel.) 215  
Formic acid (Rotterdam) chys. 108  
Gum acacia (Alexandria) bgs. 390  
Herbs (Marseilles) brs. 51  
Indigo (Rotterdam) cs. 8  
Leaves, dried (Marseilles) brs. 16  
Lemon oil (Sicily) pkgs. 10  
Liquorice-juice (Sicily) cs. 140  
Liquorice-paste (Philadel.) cs. 100  
Lithopone (Rotterdam) 40  
Mineral waters (France) cs. 125, crts. 200  
Olive oil (Leghorn) bgs. 520, cs. 80, (France) cs. 76, cks. 8  
Oxalic acid (Sweden) cks. 80  
Phosphorus (Montreal) cs. 300  
Potash carb. (Boston) cks. 16  
Soda acid sulphate (Boston) 45  
Soda caustic (Philadel.) dms. 234  
Soda chlorate (Boston) bgs. 60  
Soda pruss. (Philadel.) cks. 43  
Sulphur (Sicily) cks. 200, brs. 136, bgs. 9,287, cs. 50  
Tartar emetic (Rouen) cks. 14

*To Bristol.*—Caraway-seed (Amsterdam) 60; coconut oil (Marseilles) cs. 1,300; cream of tartar (Marseilles) cks. 72; mineral waters (Marseilles) cs. 1,060; olive oil (Marseilles) cs. 12. *To Falmouth.*—Chemical prod. (Boulogne) pkgs. 8; perfumery (Calais) 36. *To Grimsby.*—Drugs (Dieppe) cks. 38; dyestuffs (Dieppe) pkgs. 253. *To Hull.*—Acetic acid (Rotterdam) brls. 20, (N. York) brls. 28; caraway-seed (Rotterdam) 20; castor-seed (Bombay) bgs. 10,500; cottonseed (Alexandria) cwt. 32,780; formic acid (Rotterdam) brls. 120; glucose (N. York) 180; glycerin (Amsterdam) dms. 150; lead acetate (N. York) brls. 65; linseed (R. Plate) bgs. 11,112, (Bombay) 2,422; magnes. carb. (N. York) bgs. 120; lithopone (Holland) 200; palm-kernels (W.C. Africa) bgs. 50,223; potash caustic (N. York) dms. 4; potash, undescribed (Christiania) cks. 14; soda nitrate (Skien) cks. 162. *To Southampton.*—Herbs (St. Malo) brs. 16; wax, bees' (St. Malo) cs. 13.

### Continental Drug and Chemical Markets.

The following notes refer to the Hamburg and Berlin markets up to September 8:

**CARAWAY-SEED.**—New crop Dutch has been offered, but it is not of such fine quality as that of 1914, so that 1915 is rather cheaper than 1914. The average quantity which Holland can furnish yearly is about 90,000 bags, the world's consumption being estimated at 120,000 bags. Prices are therefore not expected to become lower. On the German market caraway-seed is in active demand, and for prompt



delivery it is almost unobtainable. From m.102 to m.105 per 100 kilos. is asked at present (duty paid), and 1915 crop is offered at from m.95 to m.100, according to quantity.

AGAR-AGAR is in active demand; first strip is quoted m.925; the exportation from Germany is prohibited.

CAMPOR is very firm; only small quantities are offered. Japanese refined has been sold at m.725 and flowers at m.700 per 100 kilos.; the commandeering of synthetic camphor has been revoked.

CHAMOMILES.—Roman have been sold at m.115 per 100 kilos.

GUM ACACIA.—The stocks are only small and consequently prices are high, especially as no new imports are expected. Prices for natural Kordofan are from m.150 to m.155, fine white at from m.175 to m.190, extra fine at from m.225 to m.275, and "elect" at m.400 per 100 kilos.

KOLA.—First quality halves are cheaper at m.110 per 100 kilos.

LIQUORICE-ROOT.—A well-known Hamburg dealer, in his report, states that, owing to impossibility of obtaining further supplies of Ural liquorice, further purchases have been made of spot stocks which are almost cleared.

LYCOPodium has advanced to m.675 per 100 kilos. for prompt delivery. Neutral foreign countries ask more than m.700 per 100 kilos. now as the importation from Russia into Germany is quite impossible.

OILS (ESSENTIAL).—*Star-anise* is still obtainable at m.14.25. *Bergamot* has advanced in price, as the inland stocks are only small and new imports cannot be expected; from m.40 to m.42 per kilo. is quoted. *Cassia* is still to be had at from m.9 to m.10, according to c.a. content. *Clove* is quoted at m.20. *Eucalyptus* is still to be had at m.5, but the price is expected to advance, as stocks are dwindling; prices from m.7.50 to m.8.50 have already been asked. The demand for *Fennel* oil is very large, but fennel-seed for distillation is not to be had, and Galician fennel cannot be reckoned upon this autumn; prices have therefore advanced to from m.24 to m.25 per kilo., and are not expected to become lower. The demand for *Lime* oil is very active, but importation is practically stopped; from m.25 to m.26 per kilo. is asked. Japanese *Mint* oil is easier at m.11.75. By way of neutral countries *American Peppermint* has been imported into Germany, and is quoted at m.38 for prompt delivery; H.G.H. is m.19. Siberian *Pine-needle* is offered at m.3.75.

QUILLAIA.—Cut is cheap at from m.160 to m.165 per 100 kilos., according to quantity.

LEAD (WHITE).—In consequence of the advanced prices of linseed oil the Koln Syndicate has been obliged to advance the price of oil white lead by m.3; it is now m.20 dearer than powdered white lead. The prices are m.106.50 per 100 kilos for oil cerussa and m.86.50 for powdered white lead.

TURPENTINE.—Venetian is extremely scarce and dear, extra pale being almost unobtainable, and from m.180 to m.190 per 100 kilos. has been paid; ordinary sorts are quoted at from m.140 to m.160, ac to quality.

The following is a further selection of prices prevailing in Germany at the end of July 1915:

		Duty paid. M. per 100 kilos.	Hamburg (in bond). M. per 100 kilos.
Antimony, crude	maximum	60	60
" regulus	price	150	150
Arsenic, white lump	...	43-45	43-45
" " powdered	...	32-35	35-36
" sulphide	...	68-74	70-74
Asphalt, American	...	—	74-78
Bismuth, metal	...	25-27*	—
Cadmium, metal	...	14-15*	—
Cobalt	...	—	—
Graphite, Bohemian	...	11-15	—
Lead, red	...	77-79	—
Manganese	...	18-20	—
Paraffin, 56° to 58° C. m.p.	...	135-145	145-150
Quicksilver (bot. 34½ kilos.)	...	235-250	250-260
Tin oxide	...	775-800	—

\* Per kilo.

Aluminium, cobalt, nickel, platinum, silver, tin, wolfram and zinc are not quoted.

CHINESE GALLS.—The exports from Ichang during 1914 amounted to 11,098 piculs, against 10,521 piculs in 1913 and 9,467 piculs in 1912.

SWISS CHEMICALS.—The chemical industry is doing very well. Dyestuff makers are hampered by lack of raw coal-tar products, but are making handsome profits, while makers of pharmaceutical supplies have never enjoyed such remunerative times.



## Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

### Division of the Minor.

SIR,—I noticed some reference recently to division of the qualifying examination, a matter which is long overdue. "No division without a curriculum" is simply a shibboleth which one is expected to pronounce to show that he is of the true Bloomsbury faith. There is no necessary connection between the two arrangements. The reasons for the division are cogent, and, although the curriculum should be postponed to the Greek Kalends, the division ought to be effected forthwith, or as nearly so as practicable.

Yours, etc.,

Edinburgh.

D. B. DOTT.

### Increased Medicine-duties.

SIR,—While the recent House of Commons' resolution only authorised increase of medicine stamp-duty to double the present rate, we find in circular just received from Custom House that the value of medicines exceeding 20s. and not exceeding 30s. the duty is to be 10s., against the old rate of 3s. As so few firms are interested in that particular size, we think what is evidently an error may get overlooked. We are making inquiries at Custom House as to which is correct duty payable—6s. or 10s. Your editorial article in issue of September 25 holds the view that the former is the correct duty, which is certainly in accordance with the House of Commons' resolution actually printed on the official notification of increase. The rate for exceeding 10s. and not exceeding 20s. is notified as 3s., whereas, if the resolution has been reported correctly, this should be 4s.

Yours faithfully,

Kentish Town.

DE ROOS, JOHNSON & Co.

[See note on p. 41.]

### Patent-medicine Prices.

SIR,—At the joint meeting held in London on Friday, September 24, I endeavoured to bring before the meeting a scheme for the simplification of the present irregular prices of patent medicines, but, owing to the discussion of such a subject not being before the meeting, I was ruled out of order, and had no opportunity of explaining it. The scheme I wished briefly to outline was that all patent medicines be sold at face value, the manufacturers to allow wholesalers an inclusive discount of, say, 30 per cent. to 33½ per cent., this discount to be divided between the wholesale and the retail, the proportion of such division to be arrived at after consideration. In my opinion, if such a scheme could be organised and carried out it would abolish many anomalies existing at present and produce a much better feeling with all who handle patent medicines. First of all, the public would, I think, be quite prepared and content to pay the face value of the article, and the absurdity of 1s. 1½d. articles being sold at 10½d., 11d., 11½d., 1s., and any price instead of the duly advertised one, would disappear. So much for the public. As far as the manufacturer, the wholesaler, and the retailer are concerned, this system would much simplify the present complex arrangement; apprentices, new assistants, and all concerned would have no difficulty in knowing the exact price at which to retail all patent medicines, and the retail trade, by having a better margin of profit on patent medicines, would not so much discourage their sale, and to a certain extent

there would not be the same inducement to offer other lines "just as good" or to put imitations on the market. At present the retailer really cares little or nothing about keeping up his stock of patents. If, for example, a customer comes in for a bottle of Seigel's syrup, and he has not got it, he only loses  $\frac{1}{2}d.$ , whereas if the margin of profit was larger, in my opinion, the manufacturer would secure a great amount of co-operation from the retailer. The advantage to the wholesale would be very great indeed: it would simply be a matter of invoicing patents at face value and deducting the discount at the foot of the invoice. The vexed question of giving or taking halfpennies would go by the board, many other difficulties would disappear, and the business become far more straightforward and easily worked. It appears to me that the present is a most propitious time to make such alterations as would be necessary, and if not taken now may never occur again. Everyone is interested in the question—manufacturers, wholesalers, and retailers—and I should very much like to see the whole question ventilated. The above is only roughly outlined, so as to bring about a discussion on the matter.

Faithfully yours,

34 Hanover Street, Liverpool. W. H. SAUNDERS.

#### Drug-Tariff Reform.

SIR.—Now that panel chemists have received the Government's diplomatic note, it is time the former sent in their reply in the shape of counterclaims. I would suggest the following:

1. A profit of 20 per cent. on all prescription ingredients and, *a fortiori*, on all dressings. Are we to be expected to stock (in some instances for years) and to distribute drugs without interest on capital outlay or without profit? What sort of economic system would that involve?
2. Establishment charges raised to 1.5*d.* (vice 0.8*d.*).
3. Dispensing-fees for mixtures, etc., graduated according to either size of bottle or, better, number of doses. Otherwise the doctor can easily cut down our remuneration by prescribing, say, a 16-oz. bottle of two-teaspoonful doses or even less.
4. N.B. Late dispensing-fees universally applicable—say 6*d.* for each prescription dispensed after 8.30 P.M. or on Sundays, etc.

We cannot raise our status unless we raise our incomes; and, conversely, proposals to cut down remuneration are plans to degrade our calling. In particular the proposed Tariff would make for a shabby and inefficient national dispensing service.

Faithfully yours,

ROBERT LE DIALE. (232 '36.)

SIR.—Regarding the merits or demerits of the new Tariff I will say nothing, but leave it for better writers than myself to praise or damn it, as they think fit. Previous Tariffs have been thrown at us a few minutes before the time for signing them, and we have been told by our so-called leaders to sign and leave the rest in their hands and they will take care of our interests. On this occasion we have time to think it over and work out how much we are likely to gain or lose by the change. I think it is time that panel chemists should say what they think on the subject, and not be led or driven like so many sheep going to the slaughter. My suggestion is that a postal vote be taken by the Pharmaceutical Society of all chemists on the panel, including drug-stores and company shops under qualified management—one shop one vote—a charge, possibly 6*d.*, to be made for each vote to cover expenses, and the balance, if any, to be passed on to the Benevolent Fund. If 75 per cent. vote against it, then our leaders can tell the Insurance Commissioners and the medical men that we will have nothing to do with it, but prefer to muddle along as before until a Tariff is introduced which will be acceptable to 75 per cent. of chemists on the panel.

Yours faithfully,

HIGHGATE. (241 '12.)

SIR.—The following extracts from the leading article in the "British Medical Journal" reveal how satisfied the British Medical Association is with the Report of the Departmental Committee which has been sitting in judgment respecting our profits and the proposed future remuneration for work done for insured persons. [Here the writer quotes the seven points already quoted in our editorial article on the subject.] As we do not know what is the real opinion of those who represented the Pharmaceutical Society on the Committee, it is somewhat difficult to judge what is the real value of the Report; but the extracts show how much they were up against, and, to a certain extent, the wonder that they came out with their own ease with the principle of dispensing for the pharmacist so soundly established. The question of adequate remuneration, I take it, may not quite end with the Report of the Committee. . . . Now come our professional fees, viewed, again, with evident satisfaction. All drugs of any

sort will, at any rate, carry a dispensing-fee of 1*d.*, exclusive of establishment charges, while stock mixtures or other liquids stocked in bulk will carry  $\frac{1}{2}d.$ . Extemporaneously prepared mixtures and other liquid preparations will take a dispensing-fee of 2*d.*, independently of quantity. The "British Medical Journal" concludes that "the whole Report reflects great credit on the members of the Committee, who have successfully attacked a financial and administrative problem of great complexity and have extracted order out of chaos, with an obvious desire to bring forth a settlement which shall be just and equitable to all parties concerned." The question whether it will satisfy chemists can be settled when we have had a full explanation of all the good things in the Report. The fact, however, remains that the doctors have had their wish gratified by an inquiry into the Tariff, and, according to the "British Medical Journal," are expected to be satisfied with the result. This is important, and should be the beginning of a better understanding, without which it will never be possible satisfactorily to carry out the work of the Medical Benefit department of the Act. Your valuable space cannot permit of long correspondence; but for my part, after carefully reading Vol. I. of the Report, and having been guilty of dispensing something approaching 50,000 prescriptions, with, of course, assistance, I prefer to know more about it before I condemn it.

Yours faithfully,

M.P.S. (E299 15.)

#### Insurance Dispensing Figures.

SIR.—I have read with much interest the letter from "Another Single-handed Chemist" printed in your last issue. "A. S. C." asks for figures, and I have pleasure in complying with his request. I hope other pharmacists will spare the necessary time to analyse a round hundred prescriptions so that one area can compare with another. Once this is done I am satisfied that the trade—your pardon, I mean profession—will find that the Commissioners, knowing what patient asses we have proved ourselves to be, are gently insinuating us from the frying-pan on to the fire. Here, then, are the figures derived from a most minute and painstaking analysis of the first hundred prescriptions I took off my file:

	Present Tariff	Proposed
	£ s. d.	£ s. d.
Total value ... ..	3 11 5	3 0 3
Divided thus:		
Drugs and appliances ... ..	2 13 0	1 11 4
Dispensing-fees ... ..	0 18 5	1 8 11
Average charge per prescription ... ..	0 0 8.75	0 0 7.2
Average dispensing-fee ... ..	0 0 2.2	0 0 3.47

My list included every variety of prescription from mixtures to dressings, and in arriving at the prices of such drugs as sodii salicyl., potas. bromid., phenacetin, and other war drugs, I have not used the prices given in the model price-list, but have taken the current list of Woolleys, of Manchester, as many of the prices given in the model are below market cost. It is obvious that the Commercial Tariff has been based on the rooted idea that 2*s.* is enough. The principle followed is to reduce the Tariff down to, or under, the 2*s.* limit, instead of seeing that we get enough money to cover our bills on the present Tariff. The one advantage promised—prompt payment—does not by any means balance the many disadvantages, the chief of which are reduced profits and no check on the pricing staff. Look at the figures again and estimate the profit on the one hundred. Dispensing-fees (all the profit we are offered, as there is none on the drugs) amount to 1*l.* 8*s.* 11*d.*. Allow six minutes for each script and a professional payment of 2*s.* per hour, and we are left with the munificent balance of 8*s.* 11*d.*. Think of that, Brother Pill. If you are good, and the doctors will allow you, you are to receive the splendid profit of one penny when you have dispensed a prescription. Actually you get 1.07 pence on each, but I am allowing the 0.07 for handkerchiefs to wipe the honest sweat from off your brow. It is all so very pretty—

"Open your mouth, good chemist, and see what a big dispensing plum I drop in; but close your eyes, good chemist, so that you won't see me filching a bigger plum off your drug-shelves."

Are we going to stand it? None of us like it, but we keep on doing it because we are so afraid that if we don't, the "other fellow" will. That's why we are in the rut: fear of the "other fellow."

Yours truly,

CARRIE O'PHYLLA. (238 '48.)

Other letters have been received as we go to press. One of these is by Mr. Harold E. Matthews (Bristol), who says (*inter alia*): "Messrs. Peat's figures as to 'profit' are



absolutely fallacious. No allowance has been made in the total outgoings for the salary of the working proprietor. The suggested establishment-charge of 0.8*d.* per prescription can best be appraised by considering it in relation to a business consisting of Insurance dispensing solely. Taking the dispensing-fee for mixtures as 2*d.*, and the rate of payment 2*s.* per hour, twelve mixtures hourly for a forty-eight hours' working week amount to 29,952 in a year—call this 30,000. Now, 30,000 fees of 0.8*d.* amount to just 100*l.* This sum is to cover rent, rates and taxes, insurance, lighting, heating, and cleaning, carriage inwards on goods and outwards on empties, interest on capital invested, depreciation of stock and fixtures, and all leakages by waste and breakage. I doubt if any of your readers will try to show how it can be done for the money."

#### Scotland and the New Tariff.

SIR,—How have the Report and results of Departmental Committee's work, with accompanying Tariff, been received in Scotland? That the Report is a masterly document, showing careful and conscientious work, goes without saying. Moreover, the position is so clearly expressed that the reader is carried along with the argument and becomes almost convinced that the dispenser is coming into his own at last. The principle upon which the new Tariff is founded, although new as far as business men are concerned, has much to commend it, and probably, had results justified the expectations that at last we were to receive fair remuneration for work carefully performed, few would have cavilled at the method, whether called commercial or professional. Some of the points now conceded or proposed to be conceded are what some of us have contended for all along—*e.g.*, equal treatment to all Insurance areas, abolition of discounting clause, and payment of accounts a first charge on Medical Benefit Fund. It is the more disappointing, therefore, to find that when we have been led to expect bread, we are, in the new Tariff, offered a stone. I have no hesitation in saying that the new Tariff as it stands will never be accepted in Scotland. The unanimous opinion is that, while the position was bad before, it is now worse than ever. You safeguard your own position, Mr. Editor, by saying if the data upon which the Tariff is founded are correct, the results should not be unsatisfactory. The data cannot be correct, and curiosity is greatly exercised as to the half-dozen firms in Scotland who were taken as examples, and whose books showed a better profit since the introduction of N.H.I. dispensing than previously. As far as the bulk of ordinary pharmacists is concerned, the statement is not true. The administration-fee is absurd. The Committee propose to take away the profit on drugs without showing anything like a corresponding increase in dispensing-fees; in other words, the commercial part has been taken away, while the so-called professional remuneration has been fixed on a scale so low that any ordinary workman from a commercial standpoint would not entertain it for a moment. That the net result is a seriously retrograde step is capable of being easily proved. Given a sufficient number of prescriptions representative of all types of prescribing, price these according to the old Tariff and the new, *plus* administration-fee, and the result, if not identical, will either be loss or gain. This has been done with mathematical precision, and shows a loss on the average of 2*d.* per prescription. This is not guesswork. No wonder the Committee have at their disposal a sum of 125,000*l.* to stand between the medical men and the infringement of their funds! I hardly think the scheme will get the length of refusal by the chemists. Medical men are there before us, and I shall not be surprised to find that the very men who are ruining the Drug Fund now by extravagant prescribing will be the first to cry out against even a remote chance of the same thing happening to themselves. Apart from that, it is quite apparent that however anxious the Departmental Committee may be to have one National Tariff, conditions vary so much as between England and Scotland that it cannot be done. In many areas things are so bad at present that the mere mention of still further lowering the remuneration will hasten a crisis which has threatened more than once already.—Yours truly,

SCOTTISH PHARMACIST. (241/53.)

#### War-work for Women.

SIR,—This is a subject of great importance at present, and Miss Forster's article in your issue of September 25 shows that women dispensers are needed and can be trained quickly, inexpensively. I have long felt that the best war-work that untrained but well-educated women can do is to train immediately for some profession, instead of undertaking unskilled work, for there is already more of this kind of labour available than is necessary, especially among women. Dispensing should appeal to patriotic, ambitious women, because it is an interesting profession,

and offers not only a present sphere of usefulness directly connected with the Army, but future employment as well; for after the war there is bound to be a dearth of men available for this work. This is Britain's hour of need, and now is the time when Britain's daughters are wanted not only to bind up the wounds of Britain's heroes, but to serve them in other ways, so that all who are of the right age and are physically fit may go to the Front with minds at ease, assured that work at home is not neglected. Hospitals require and are employing more women dispensers, both here and elsewhere, than ever before. Those lacking time or means to attend classes may train by post, but they are warned to investigate well before deciding which of the many courses offered they should take. My knowledge of dispensing as a suitable profession for women is at the disposal of those interested.—Yours truly,

F. A. DEGEN, F.I.S.A.O.

### Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

*Query* (239/1).—"Eusol" is the word used to describe the hypochlorite solution now so much used in surgery. It is not registered as a trade-mark.

*Family Chemist* (238/34).—The circular issued by the Board of Customs and Excise in regard to the increase of medicine-duties does not alter, in any other respect whatever, the law as to the sale of medicines used externally or internally for human beings. The following is how the matter stands as regards the labels submitted by you:

(1) —'s *Foot-powder*.—Not liable to medicine-duty as it is a toilet-preparation, and there is no indication on the label that it is to be used medicinally or for anything considered to be a human ailment.

(2) *Voice and Throat Pastilles*.—Not liable to duty because they are not held out by the label for any human ailment.

(3) *Children's Cough-mixture*.—Exempt from duty, you, the vendor, being a registered chemist; but the reference to the published formula must be clearer—*viz.* "P.F. 225." This may be written on the label, but it is better to put it on a small supplementary label until you are able to include it in a new set of labels.

(4) *Iron-and-Quinine Tonic*.—Not liable to duty as it is not held out as a remedy, but if this happened to be done the title in itself is a disclosure meeting the exemption requirements.

(5) *Buck and Kidney Pills*.—This is a body-name, therefore the pills are not dutiable if not recommended for an ailment, or the action is not indicated by added words.

*Double Tax* (239/56).—(1) We do not know of any instance in which such a title as "Special Liver-pills" used without any other matter has actually involved liability to medicine stamp-duty, but we consider it unwise to use the adjective. (2) "Expectorant Cough-syrup" is a dutiable title, but you, as a chemist, can obtain exemption from stamp-duty by disclosure, as to which see *C. & D. Diary*, "Exemptions," p. 419.

*Salol* (240/20) wants to know if a limited liability company, registered as "Smiths Cash Chemists, Limited," may continue to trade under the registered title after dismissing the qualified superintendent, reverting to the original business of a drug-store; that is, selling no poisons or medicines containing poisons. [It is illegal to use the title under which the company is at present registered, and trading can only be legalised by winding up the company and ceasing to trade as chemists and druggists—*i.e.*, confining the sales to articles which are not, or do not contain, scheduled poisons.]

*J. H.* (239/38).—The words "A demulcent, expectorant, and soothing compound for the chest, throat, and lungs" will make any preparation liable to medicine stamp-duty, because the adjectives in the quotation indicate how the preparation acts upon the chest, throat, and lungs. See the *C. & D. Diary*, "Body-names," p. 418.

### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

#### Pharmacists and the Medical Curriculum.

Mr. R. A. Rutherford, Front Street, Newbiggin-by-Sea, who initiated the movement that led up to the meeting held in London on September 15, now writes to say that the Committee appointed to further matters, so that the authorities could be approached in a proper manner and in due course, is not idle, although this is the academic vacation. He hopes to communicate again in a few days with all whose names and addresses he has. Any pharmacist wishing to know the cost of medical studies should consult the *C. & D. Educational Number* of August 14.

*Scientific Photo-pharmacy.*

Recently an eminent consulting physician went to a leading photo-pharmacist and ordered a two-solution photographic developer. The pharmacist, anxious to exhibit his complete up-to-dateness, carefully prepared the solutions, then labelled them fully, using both the Imperial and metric systems, with complete and minute directions, and sent them to the doctor. The next day the doctor called in with the bottles full and scornfully twitted the scientific photo-pharmacist without mercy, saying he preferred less label and more ordinary common sense, for, alas! the labels were in *Red Ink* (242/5).

*"Rep. Mist."*

"We have great pleasure in enclosing cheque for another big 10s. worth, because, as the last four letters of the title-names signify, the contents of THE CHEMIST AND DRUGGIST are of such a 'mist' (ura) that we shall be pleased to know of a more wonderfully complete thing if it is to be found. Nothing of any real value is 'mis(t)'sed; the explanations are so lucid that we are certainly not in a 'mist' after we have read them; everything is given in such clear, concise language that we have the 'gist' of the whole thing in a few words. May the circulation keep on increasing, to the mutual advantage of yourselves and subscribers, is the wish of yours respectfully."—*A Firm in the North* (253/10).

*Ext. Hyocyami.*

"Can ext. hyocyami, B.P. 1914, be legally used as fully representing ext. hyocyami, B.P. 1898, in making pills from a prescription dated 1904 or since 1898? There is a dispute here among dispensers as to the right one to use. I maintain that it is simply an improved method of making and keeping the extract, and is of the same and more definite strength therapeutically, and will keep almost indefinitely if well preserved. Therefore it can be legally used instead of the old 1898 make."—*A. Stooke (Gillingham, Kent)*.

"[It is obligatory upon dispensing chemists to use the preparations of the British Pharmacopœia, 1914, after January 1, 1915, for prescriptions written after 1914, but not for prescriptions written before 1915."—*The Art of Dispensing*, p. 34.]

**Miscellaneous Inquiries.**

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

*B. P. & Co.* (231 38).—*NAIL-STONES*.—We are not quite sure to what you refer in your inquiry about nail-stones. The polishing-cakes in manicure-sets are made of tin oxide, alone or diluted with prepared chalk, perfumed, tinted, and made into a mass with tragacanth mucilage. The agate polishers are pieces of natural agate cut and polished on a lathe.

*Italia* (223/43).—Your formula for *IODINE OINTMENT* will produce a compound which should not be supplied for human use, and it cannot in any way represent the tincture. A formula for iodine ointment is included in the British Pharmacopœia, in which lard is used as the basis because soft paraffin has a distinct effect on iodine, forming a non-staining ointment. To protect metallic containers from the action of iodine it is customary to coat the metal with paraffin wax. Iodine acts upon rubber, but the effects of grease on rubber are even more deleterious.

*W. J. C.* (234 51).—The sample of powder for destroying *WORMS ON LAWNS* which you send has a basis of dried blood, cotton-meal, and bone-powder, with a fair proportion of mustard-bran. It is intended to act as a fertiliser in addition to forcing the worms to the surface of the lawn. Mustard-bran alone, sprinkled over and then watered in, is frequently used for this purpose.

*Tyne* (239 15).—We cannot undertake a full analysis of the *STOMACH-MIXTURE* you send, but we think it would be fairly represented by a mixture containing suitable doses of acid, nitric, dil., tr. nuc. vom., syrup or glycerin, and infusion of chiretta.

*P. T. O.* (235 17).—*HYDROCYANIC-ACID FUMIGATION* is fully described in "Pharmaceutical Formulas," p. 416, to which please refer.

*Hanwell* (234/30).—*Isle of Wight BEE-DISEASE* is a fungoid ailment which infects bees. It is described in a leaflet published by the Board of Agriculture and Fisheries, 4 Whitehall Place, London, S.W., which you can obtain free on application.

*A Nottinghamshire Subscriber* (252/34) writes: "Sheep about here are suffering from *WORMS* and dying in great numbers. I put up a drench with ether, tr. asaf., ol. tereb., ol. earui, and ol. morrhua. Could I safely put arsenic in this, please? Or, failing this, would it be safe to give powders—*e.g.*, ferri sulph. exsic., salt, charcoal, and arsenic—to be mixed with the food? Can you suggest a remedy?" [We presume that it is tapeworm that affects the sheep. If so give any of the following after withholding food for a night and water for a few hours:

Kouso	...	...	...	5j.-ij.
Ol. filicis maris	...	...	...	5j.
Ol. ricini	...	...	...	5ij.—M.
Ferri sulphat.,				
Sulph. flor.	...	...	...	aa. 5j.
Pulv. arecae	...	...	...	5j.
Antim. tart.	...	...	...	gr. x.-xv.
Sodii chloridi	...	...	...	5ij.-iv.—M.

This can be given in the food or in water as drench.

The following is good for worms, scour, debility, etc.:

Ammon. carb.,				
Ol. tereb.,				
Tr. opii.				
Diapente pulv.	...	...	aa.	5iv.
Pulv. aloes barb.,	...	...	...	
Ext. glycyrrhiz.	...	...	aa.	5j.
Sodii salicylat.	...	...	...	5ij.
Glycerini	...	...	...	5ij.
Aquam ad	...	...	...	5xx.—M.

One or two tablespoonfuls daily as required.

On no account give arsenic, as it is a very doubtful remedy, and more so when given in food. Remove the flock to clean pastures, avoid overstocking, and get a supply of pure water. Give rock salt, and sprinkle the infected pastures with quicklime or plough them up. Your prescriptions are good, and can be repeated with the addition of antim. tart. or ext. filicis maris.]

*Radix* (233 57).—*GOODWILL OF CHEMISTS' BUSINESSES* is not altogether a thing of the past, but there is no longer any fixed rule in regard to the value of goodwill where it exists. On this point see replies to "*Z. S. O.*" *C. & D.*, July 31, p. 195, and "*Mumpara*," August 21, p. 60. In the case that you mention it would be desirable that the goodwill, which we think exists, should be determined by an independent party if it cannot be mutually agreed upon.

**Retrospect of Fifty Years Ago.**

Reprinted from "*The Chemist and Druggist*," October 14, 1865.

**Pharmacy Bills.**

Extracts from the Minutes of Evidence taken before the Select Committee on Chemists and Druggists' Bills. The following extract from the minutes of the evidence given by Mr. Mackay, Honorary Secretary of the Pharmaceutical Society in Edinburgh, will be read with interest by our subscribers:

Mr. Ayrton: How many persons in Scotland are carrying on the business of compounding and selling drugs who are not members of the Pharmaceutical Society?—I should think probably throughout Scotland 400 or 500.

What proportion do they bear to the number who are members of the Pharmaceutical Society?—In Scotland I do not think there are more than 120 or 130 connected with the Pharmaceutical Society.

And the others would be 500?—Roughly, between 400 and 500.

And how many of the 400 or 500 would require the thorough knowledge you have spoken of for the duties of a pharmaceutical chemist?—Do you refer to the Major examination?

What you are speaking of?—If you asked the Minor examination, I could answer more readily. I should think half would be prepared to undergo the Major examination. As I stated in my former examination, it is not the fear of examination, but the high rates. A man in the country cannot easily take away ten or fifteen guineas from his business.

The Minor has not the effect in your mind of making a man a pharmaceutical chemist?—Certainly not. It would give him, however, an amount of education and information sufficient to enable him to compound prescriptions.



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This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

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This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

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58 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

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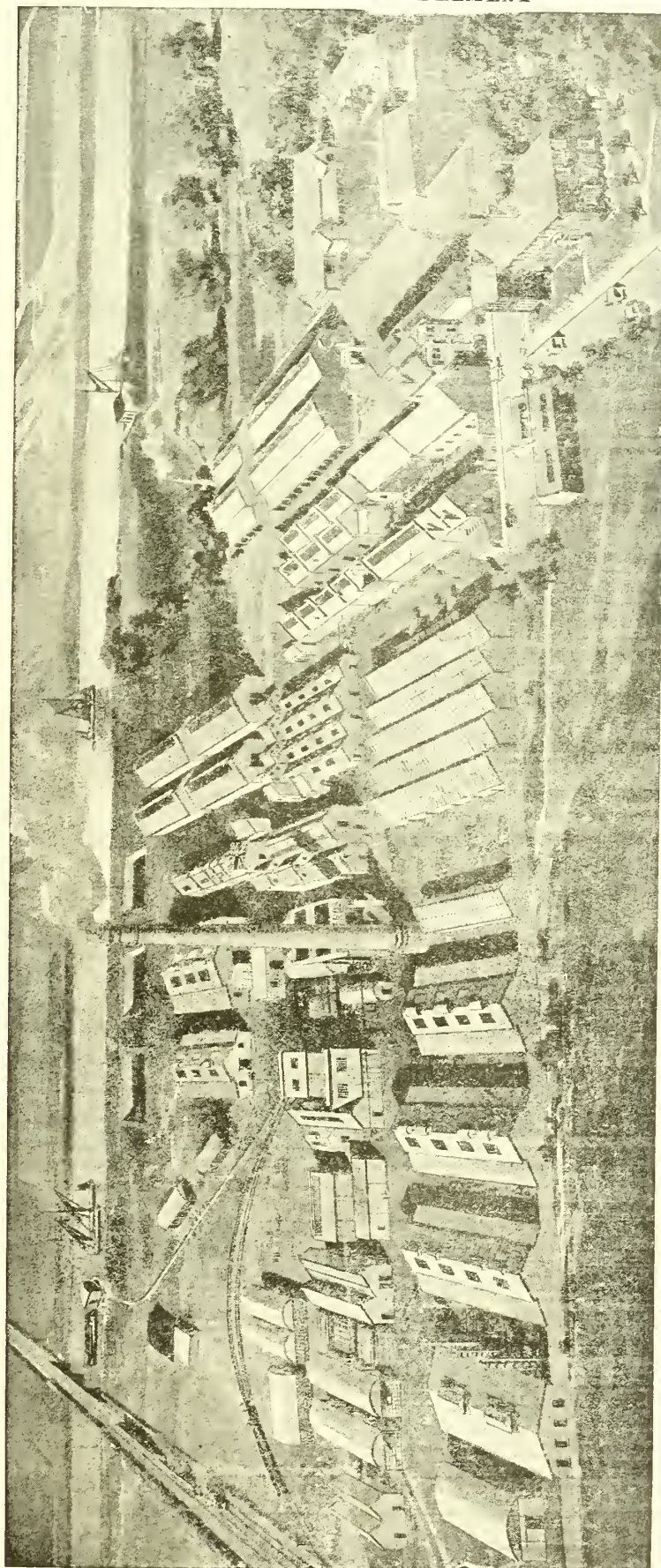
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 Pulv. Cretæ Arom. P.B., 14 lbs. @ 8d. lb.; c. Opio, B.P., 7 lbs. @ 1/9 lb.  
 Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 6/6 cwt.  
 Pulv. Ipecac. Comp. P.B., 1 lb. @ 5/9 lb.  
 „ Jalap Comp. P.B., 1 lb. @ 1/9 lb.  
 „ Rhei Comp. P.B., 1 lb. @ 1/4 lb.

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 Quinine Ethyl Carb. (Tasteless), 10 oz. @ 4/- oz.; 10 oz. @ 2/8 oz.  
 Quinine Hydrobromas, B.P., 25 oz. @ 2/7 oz.; 10 oz. @ 2/8 oz.  
 Quinine Hydrochlor., B.P., 25 ozs. @ 2/8 oz.; 10 ozs. @ 2/9 oz.  
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 Soda Hyposulphite, pea cryst., 1 cwt. @ 25/6 cwt.  
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 „ „ Senna, P.B., 7 lbs. @ 11d. lb.  
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 \*Tinct. Quininæ Amm., B.P., 5 lbs. @ 3/4 lb.; bond, 1/5 lb.  
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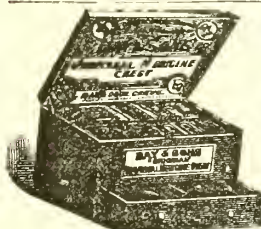
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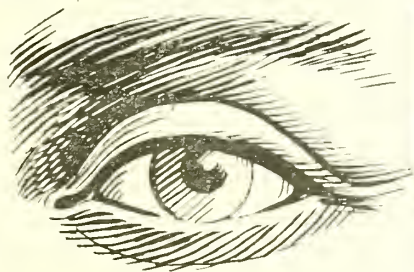
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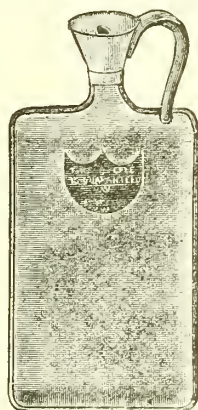
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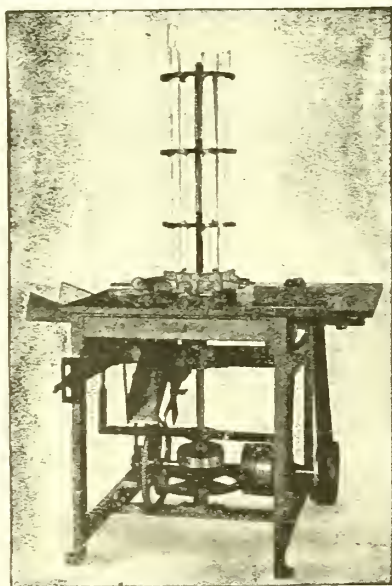
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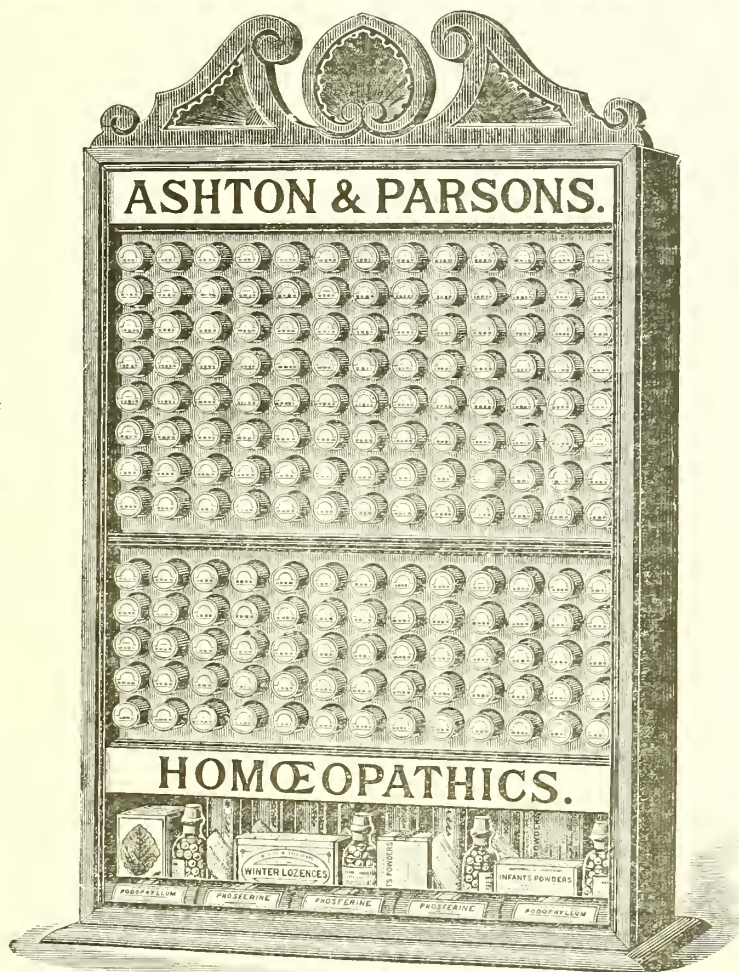
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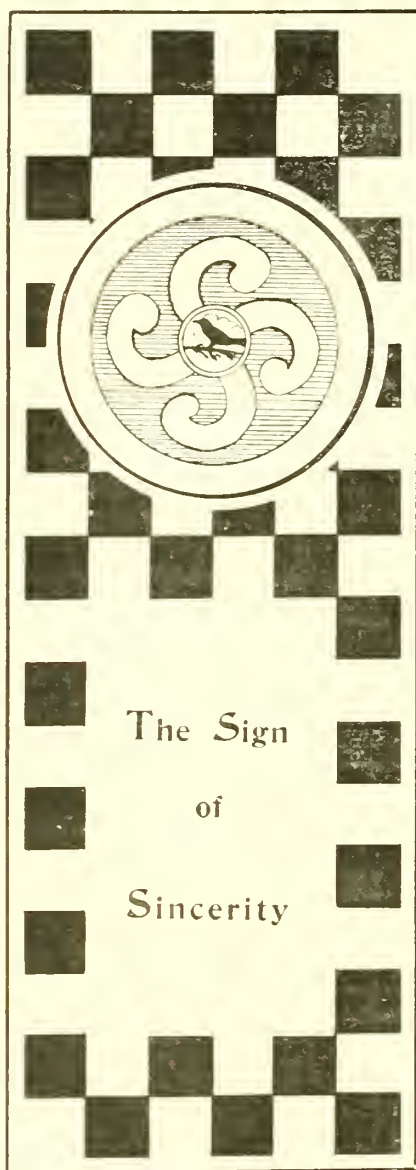
ASHTON & PARSONS supply their Showcases at actual cost price  
No need to purchase a large quantity of unsaleable stock to obtain a  
so-called "free" Showcase.

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**ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.**



## Trade Mark & Why

For protection ;

As a sign of good faith ;

To distinguish Sangers' goods from others ;

We show it on our motors, carts, and other vehicles of delivery ; we use it on our stationery, labels, wrappers, and catalogues, etc. ;

Because we know that honesty pays, we are not afraid to emphasise Sangers' goods by the use of our distinctive mark ;

You will do well to come under the protection of our Trade Mark, and be assured of the minimum prices and maximum profits.

*Sangers*

258 Euston Road, London.





OFFICE: 42 CANNON STREET, E.C.

SATURDAY, OCTOBER 2, 1915

**TO ADVERTISERS IN THIS SUPPLEMENT.**

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

**PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

**BEST RESULTS  
EVERY WEEK!**



That is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

**THE PUBLICITY IT PAYS TO PAY FOR.**

## CHEMISTS' TRANSFERS.

**Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.**

Telephone Number: City 2283.

**May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.**

1.—LONDON, S.W.—Ready-money Business; returns £1,800; excellent sale for own Proprietaries; attractive shop, double-fronted; terms, goodwill £50, stock and fixtures at a fair valuation.

2.—LONDON, N.W.—Modern Pharmacy, rapidly increasing; returns, present rate, £1,500 per annum; attractive shop and good stock; all open to inspection; valuation and small premium only required.

3.—LONDON, N. (Main Market Thoroughfare).—Ready-money Business, chiefly small trading; returns between £900 and £1,000 per annum; gross profit 50 per cent.; price £350, or near offer.

4.—LONDON, W.—Family Retail and Dispensing Business, with little Optical and Dental; returns about £800; net profit £200 (about); double-fronted, corner shop, well stocked; convenient house; held on lease; price £450.

5.—LONDON, N.W.—Retail and Dispensing Business, with Wine Licence; very old-established; returns £1,000, at fair prices; double-fronted shop; to effect a speedy transfer the sum of £300 will be accepted.

6.—HYDE PARK.—Established Business, Retail and Dispensing, situate in busy main thoroughfare; returns about £2,200; net profit £500; lease 21 years; ill-health cause of sale; further details on application.

7.—SURREY HILLS.—Good-class Business; returns, present rate, about £2,000 per annum; net profit 25 per cent.; modern-fitted shop, fully stocked; terms, goodwill £125, stock and fixtures at valuation.

8.—WORCESTERSHIRE (Death Vacancy).—For immediate Disposal, old-established Business, Retail and Dispensing, with Photographic Sundries; returns £800 (formerly £2,000); well-fitted, double-fronted shop; large house; no reasonable offer refused.

9.—BRISTOL CHANNEL (Seaport).—Middle-class Retail trade; well situated in one of the main thoroughfares; returns between £1,400 and £1,500; well-fitted Pharmacy and good house; terms, valuation of stock and fixtures.

10.—YORKS.—Good middle-class Business, chiefly ready-money; returns about £600; net profit £220; well-fitted shop, fully stocked; rent £25, which includes residence; price £400.

11.—SCOTLAND.—Select Retail and Dispensing Business, with Photographic Sundries; good openings for Optics and Dental; returns £700; net profit 25 per cent.; scope for considerable increase; rent £28; price £450.

12.—GLOUCESTERSHIRE.—Mixed Business; established many years; returns between £700 and £800; estimated net profit £200; good residence, with garden attached stocked with fruit trees; rent £21 10s.; no opposition; terms, valuation; part payment entertained.

13.—AGRICULTURAL TOWN.—Good Country Business; returns, present rate, about £1,350 per annum; net profit £300; rent £40; lease if desired; price £900; part payment would be considered.

14.—NORTH WALES.—Middle-class Business, Retail and Dispensing; returns last year £700; net profit £250; double-fronted shop; lock-up Pharmacy; rent £15; price £220.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.**



# BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY—We have always a large number of Buyers on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

**STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.**

£1,000 returns.—LONDON.—Large double-fronted shop, fitted by Maws; returns increasing; net profit £300; price £450; good-class Family Retail, with good opening for Photo, Optics, or Dentistry.

£1,100 returns.—MIDLANDS.—Good market town; increasing; price £725.

£1,375 returns.—SOUTH WALES.—Large double-fronted shop, with good house and large garden; net profit £375; lease; Light Retail, Dispensing; price £850; vendor is joining the Forces, and will allow a trial to prove the business.

£500 returns.—SURREY.—Light Retail, in charming village; vendor, joining the Army, will accept £300, and also sell the good-class furniture at a sacrifice to first genuine buyer.

£1,500 returns.—LANCASHIRE.—General Light Retail, with some Wholesale business; is increasing, and younger man would find plenty of scope; price £500; vendor retiring from business.

Returns over £800.—SMALL COUNTRY TOWN, SURREY.—Net profit over £200; General Light Retail, capable of much increase; price £400.

NICE Country Retail; never changed hands except from father to son; returns about £1,200, with a net profit of £300; price £550, or £100 goodwill and valuation of stock and fixtures; rent £40; lease will be granted, as vendor owns the premises.

**We have cash Buyers for businesses from**

**£500 to £5,000.**

**Valuations conducted upon the shortest notice at moderate fees.**

# BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1819 CENTRAL.

**NO CHARGE TO PURCHASERS.**

1.—SOUTHERN COUNTY.—High-class Family Retail and Dispensing; returns about £1,450; good profits; Assistant kept; nice house and garden; modern Pharmacy; unopposed; price £800.

2.—NORTH-EAST YORKS.—Profitable Cash Retail, with valuable Wine Licence; returns £900; net profit £360; central position; splendid premises; price £475 cash.

3.—SOUTH-WEST COAST.—Good-class Retail and Dispensing; increasing; returns £1,250; net profit over £500; good house; attractive Pharmacy, exceptionally well fitted and stocked; price £975, little more than valuation.

4.—NORFOLK.—Good-class Business, in large town; neglected; returns £800; plenty of scope; corner position; low rent; price £350; £100 can remain; strongly recommended.

5.—CARDIFF.—Good middle-class Cash Retail; returns £1,400; net profit about £375; large house, garden, etc.; heavily stocked shop; price simply valuation, about £800; trial allowed.

6.—MIDDLESEX.—Good-class Retail and Dispensing; pleasantly situated; returns over £1,500; net profit fully £400; modern, up-to-date Pharmacy, well stocked; price about £950; valuation terms arranged.

7.—SOUTH COAST.—Good-class Dispensing and Retail; neglected; returns £750 under manager; plenty of scope; good position; price only £300, or near offer.

8.—LONDON, W.—Cash Retail; returns over £1,250; net profit £350; Assistant kept; price £550, or valuation.

9.—NORTH LONDON.—Cash Retail, Prescribing, and Dispensing; no immediate opposition; returns £1,036; net profit £550; modern Pharmacy, well stocked; price £500.

10.—LONDON, E.—Exceptional offer; sound Cash Business, under management many years; returns £1,200; net profit £400 clear; busy marketing centre; owner retiring; price £650.

## STOCKTAKINGS.

**We undertake stocktakings on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.**

**Businesses Wanted. Buyers Waiting.**

# PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

50 years' experience in every branch of business.

Recommended by—

BRITISH DRUG HOUSES, LTD.

MEGGESON & CO., LTD.

BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph C. Tel. No. Victoria 27.

THIRTY miles out; small country town; only one opponent; good Mixed Country Retail, increasing trade; double-fronted shop; good house, warehouse, stable, etc., garden, and every convenience; established 100 years; price £500, or offer.

WEST END (Leading Thoroughfare).—Handsomely fitted Pharmacy, returning £20 weekly, with three Flats over constantly let to produce a profit rental on the whole place; exceptional circumstances necessitate early sale; price, valuation of stock and fixtures, or any reasonable offer accepted for early sale.

NORTH LONDON.—Progressive residential Suburb; returns over £1,000; net profit over £500; good-class, modern-fitted house and shop, double-fronted, side entrance, garden, etc.; price £500, or offer; vendor purchased country business.

EXAMINATIONS and reports as to value on reasonable terms; very long experience in every branch of the business enables Mr. Parson C. Baker to afford purchasers very valuable advice and assistance in negotiation.

# THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

# BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every  
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

C. DURHAM.—For immediate Disposal, small unopposed Business; good opening for Panel; suitable for qualified or unqualified; lock-up shop at very low rental; would sell for quick sale at valuation of stock and fixtures. For further particulars apply, J. H. Turner, 38 Middle Street, Consett.

EASTERN COUNTIES.—Good-class Mixed Business for immediate Disposal; easy terms arranged, or any securities taken in part payment; purchaser should be accustomed to Country business; returns £1,700; net profit £350; price £700; indisputable references will be given and required. Apply, 260/11, Office of this Paper.

L. ANCS (Seaside Resort).—Genuine Cash Business for Sale, facing sea; moderate rent; long lease; returns last twelve months over £1,000; splendid opening for Optics and Dentistry; owner going in for medical; price £700; Boarding-house attached, with good connection, can also be purchased reasonably if desired. Apply, "Medicus" (259/19), Office of this Paper.

L. LONDON, N.W.—Average annual turnover last three years £1,050; 17 years' lease left; best position, main road; satisfactory reasons disposal; reasonable offer accepted, about £350; established over 30 years; part let off. 259/32, Office of this Paper.

M. MANCHESTER.—Chemist's Business in high-class suburb; turnover £850; rent £30; three years' lease; valuation. Further particulars apply, Parkin S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool, and London.

A. COMPACT, up-to-date Business for immediate Sale; elegantly fitted Pharmacy. For particulars and information apply to Duckett & Co., Ltd., 92 Jermyn Street, S.W.



**ADVERTISER** knows of an excellent opening for Chemist, where a good Agricultural and Family trade presents itself; very little opposition; a fortune for a live Chemist; small fee for information. Apply, Humphrey, Chemist, Cleethorpes.

**DRUG** Stores; to sell at valuation; in-going small; in the centre of a populous and growing neighbourhood; sure living for a qualified man; death cause of selling; the Building is for sale as well. For further particulars apply, Conway, 43 Lyndhurst Road, Burnley.

**FOR** Disposal, at 27 Mostyn Road, Bow, E., Chemist's and Druggist's Business, with Post Office attached; rent, on three years' agreement, £32 per annum. 251/8, Office of this Paper.

**MESSRS. GILLMAN, SOLLOM & JENNINGS**, Estate Agents, Basingstoke, have for Disposal, with immediate possession, the remainder of the lease (14 years) of a very well-placed and soundly built Chemist's Shop, in excellent repair, with up-to-date fittings; there is an exceptional opening, and a sound business has been carried on for some years. For full particulars apply as above.

**OLD-ESTABLISHED** Chemist's double-fronted corner shop; present tenant's 15 years' lease expires Christmas; good business done for many years, also N.H.I.; rent low; no near opposition; working-class locality; cash trade; shop now closed by tenant, removed to a new locality, Westrope Street. 65 Branstrop Road, Burton-on-Trent.

**RETURNS** this year £1,200; old-established middle-class Family Retail and Prescribing; profits above the average; middle-class suburb of London; lease; good house and garden; hours easy; easily worked; price £500. Apply to 260/6, Office of this Paper.

**VERY** good opening for a qualified man with small capital; owing to the death of proprietor, for immediate sale, the Business of a Chemist and Druggist; successfully carried on for about 30 years; very easy rental and incoming. Apply for particulars to Battleton & Maltby, Lincoln.

## FOR SALE.

**CASH** Register (National); up-to-date Total Adder and Detail Strip Printer. Write, "F. H.," 31 Fisher's Lane, High Road, Chiswick, W.

**COMPLETE** set of Chemist's Fixtures, comprising two nests of Drawers, Shelves for shop-rounds, three Show-cases, Counter (with Drawer), and show Carboy. G. W. Ibbotson, Drug Stores, Boothroyd Lane, Dewsbury.

**SHOP-ROUNDS**, 50 by 30 oz. narrows, 56 by 30 oz. wides, 24 by 30 oz. syrups, 9 by 20 oz. narrows, 16 by 10 oz. narrows; good condition; lot for £3 10s.; also Nest Drawers (63) and Counter, 8 ft. 8 in. by 35 in. high; what offers? "Z.," 193 St. George's Road, Glasgow.

**SOME** serviceable Shop Fixtures for Sale, including good Counter, Show-cases, nests of Drawers, Shelving, Carboys, etc. Full particulars from Coley, Bannut Trees, Stroud.

## TO LET.

**HASTINGS**.—Shop fitted for Druggist's Business; low rent; vacant possession; busy thoroughfare. Apply, Chennells, Dyer & Gallaway, 38 Havelock Road, Hastings.

**SHOP** To Let.—41 Valley Road, Shipley, Yorks; corner position; large plate-glass windows; Chemist much wanted, none in the district, which is thickly populated; rent £13, or with house attached £25. Apply, Jacksons', Estate Agents, 15 Bridge Street, Bradford.

**SHOP** (well fitted) to Let in growing suburb; adjoining two railway stations and tram; close London; recently closed owing to death; rent £36; living accommodation if necessary; good opportunity for qualified man. Wreathall, 8 Princes Street, Westminster, W.C. Phone, Gerrard 1900.

## APPRENTICESHIPS.

**APPRENTICE**.—Health resort; gentlemanly youth required; good-class Dispensing business; comfortable home. Apply, 233/63, Office of this Paper.

## AGENCIES.

**PARIS**.—Well-known Agent, 15 years' experience French market, invites correspondence from British manufacturers of Chemical and Pharmaceutical products, Rubber Goods, and Perfumery wishing to open or develop business in France; Agency arrangement desired; first-class references. Apply to Amoneaux, 11 Bis, rue François Premier, Colombes (Seine).

**SPAIN**.—Editor and Proprietor of a Professional Journal in close touch with all classes of Pharmacists and Druggists is open to Represent in Spain British manufacturers of Pharmaceutical and Chemical products. Address, 257/30, Office of this Paper.

## BUSINESSES WANTED.

**CHEMIST** wishes to Purchase a small Light Retail Business, country preferred, within easy distance of London; small but comfortable house with garden; low rental. Full particulars, class of trade, and price to 259/3, Office of this Paper.

**WANTED** to Purchase, Chemist's Speciality or other Proprietary, Domestic, Veterinary, or Agricultural, with established record preferred, but any good article would be considered; terms, full particulars of turnover and profits for three years. Apply, 243/24, Office of this Paper.

**WE** (Messrs. Berdoo & Fish) desire to notify intending vendors that we have at the present time a large number of clients desirous of purchasing Businesses, and that we shall be pleased to send our terms of business to Chemists desirous of disposing of Businesses returning £800 to £5,000. Our address is 35 Jewry Street, Fenchurch Street, City.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

### RETAIL.

**ACCRINGTON**.—Qualified Assistant; quick and accurate Dispenser. Send usual particulars, Thornber, Chemist, Accrington.

**BIRMINGHAM**.—Unqualified Assistant; good Salesman and Window-dresser; middle-class district; permanency; good salary for right man. Send full particulars, in first letter, stating salary required, Hall, Chemist, Dogpool, Birmingham.

**BIRMINGHAM**.—Junior Assistant in Light Retail and Dispensing business; easy hours; no Sunday duty. C. Thompson, Chemist, Sparkbrook, Birmingham.

**BRADFORD**.—Wanted, unqualified Assistant (or Junior) for Family business and N.H.I.; comfortable berth. Apply, by letter, to R. H. Stephenson, Pharmacist, Barkersend Road.

**BRIGHTON**.—Gentlemanly Assistant, unqualified (outdoors), required November for high-class Dispensing and Retail; no N.H.I. Apply, giving full particulars, age, height, salary required, experience, enclosing photo, to "Spec" (258/22), Office of this Paper.

**BRISTOL**.—Wanted, Junior or Assistant, as soon as possible, for Light Retail and Dispensing. Apply, with full particulars as to age, experience, references, salary required, to Dunford, 8 North Street, Bedminster, Bristol.

**BURNLEY**.—Wanted, smart, active Junior (unqualified); outdoors; easy hours; accustomed to Window-dressing and general Retail Counter; experienced in N.I. Dispensing an advantage; comfortable berth to abstainer requiring permanency. Apply, stating age, height, experience, references, and salary required, to "Chemist," 63 Oxford Road, Burnley.

**CLIFTON**, Bristol.—Capable, energetic Senior Assistant, accustomed to high-class modern Retail and Dispensing business, required, chiefly for Counter work and Window-dressing; hours of employment 56 weekly; outdoor situation; good salary to suitable man. State last two engagements, and usual particulars, to Harold E. Matthews, Chemist, Clifton, Bristol.

**DONCASTER**.—A qualified and experienced Assistant required for good-class business with N.H.I.; good Counterman, able to take charge; outdoors. Apply, with particulars of experience, stating age, and salary required (enclose photo if convenient), Walter E. Plant, Pharmaceutical Chemist, 28 High Street, Doncaster.

**DONCASTER.**—Junior or Improver; Light Retail and Dispensing; with some knowledge of Photography; outdoors; easy hours; 8 to 7.30, Thursday 1, Friday 9, Saturday 10; no Sunday duty. State age, height, references, and salary required to Hodgson & Hepworth, Ltd., Doncaster.

**FAVERSHAM.**—Wanted at once, Assistant; weekly half-holiday; no Sunday duty. Please apply, with references, experience, age, and salary required (outdoors), to Thomas, Chemist, Faversham.

**GORLESTON-ON-SEA.**—Qualified Assistant for pleasantly situated Light Retail and Dispensing business; indoors; comfortable home; full particulars as to age, salary required, and references; would suit elderly or semi-retired gentleman. P. R. Hill, 90 High Street, Gorleston-on-Sea.

**HOVE.**—Wanted, smart young Junior or Improver; outdoors. Apply, with full particulars as to experience, salary, etc., to Flatman, Chemist, Western Road, Hove.

**LONDON, N.**—Unqualified Junior; good-class Light Retail and Dispensing. State age, height, experience, salary required, and enclose photo, Starmer, 92 High Street, North Finchley, N.

**LONDON, N.**—Junior or Improver; outdoors; state age, height, salary required, and usual particulars. Apply, 260, 31, Office of this Paper.

**LONDON, S.E.**—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State age, experience, and salary required. Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

**LONDON, S.W.**—Junior Assistant; indoors; must be a neat and accurate Dispenser and accustomed to good-class business. Apply, stating salary and usual particulars, to J. Selley, 202 Earl's Court Road, South Kensington, S.W.

**LONDON, S.W.**—Junior Assistant required, accustomed to Dispensing. Apply, Plaister & Co., 15 Gledhow Terrace, South Kensington.

**LONDON, S.W.**—Unqualified Assistant required October 18; must be smart and active; £2 5s. weekly (outdoors); used to Photographic and N.H.I. work., Owen, 260 Upper Tooting Road, S.W.

**LONDON, S.W.**—Competent Dispenser and Counterman wanted; outdoors. Apply, Holt Green & Co., South Kensington Station.

**LONDON, S.W.**—Assistant wanted at once for Light Retail and Dispensing; outdoors. Apply, Lloyd, 125 St. John's Hill, Clapham Junction, S.W.

**LONDON, W.**—A Junior or Improver for high-class Dispensing business in West End; two kept. 258 8, Office of this Paper.

**LONDON, W.**—Junior Assistant wanted; one speaking French preferred. Full particulars to H. N. Davidge, 11 Shaftesbury Avenue, Piccadilly Circus, W.

**MANCHESTER.**—Wanted at once, Junior Assistant with three or four years' Counter experience, for busy Retail and Dispensing business; hours 8 a.m. to 6.30 p.m., Saturdays 1 o'clock. State full particulars, age, experience, references, and salary required, 259 34, Office of this Paper.

**MANCHESTER.**—Elderly, qualified, wanted; light duties; hours 9 a.m. to 8.30 p.m.; Wednesday closed 1 p.m. to 6 p.m.; full half-day allowed Thursdays from 1 p.m.; Saturdays 10.30 p.m.; permanency; outdoors; give full particulars in first letter. Address, 256 25, Office of this Paper.

**MANCHESTER.**—Qualified Assistant. State age, height, and full particulars, references, and salary required (outdoors), Jeans, 151 Oxford Road, Manchester.

**MANCHESTER.**—Wanted, qualified Assistant; would suit elderly gentleman. Apply, sending full particulars, to Quillol, c/o John Quilliam & Co., Ltd., Canterbury Brush Works, Manchester.

**MARGATE.**—Immediately, gentlemanly Assistant, about 24; unqualified; in- or out-doors; accustomed to good-class Dispensing and Retail. State full particulars, photo (if possible), W. M. Rosser, J. Bailey & Co., 2 Ethelbert Terrace, Margate.

**MIDLANDS.**—Wanted, a qualified Assistant in a good-class Retail and Dispensing business; outdoors; no Sunday duty. Please apply, giving particulars of experience, etc., to S. Phillips, Pharmaceutical Chemist, Wolverhampton.

**NEWPORT, Mon.**—Junior required. Light Retail, Dispensing; easy hours; cheerful surroundings. Latimer Davies, 25 High Street.

**NEAR MANCHESTER.**—Improver or Junior (outdoors) for quick Cash trade; state age, experience, and salary required; half-holiday weekly; no Sunday duty. Address, stating age, salary, and references, 256 23, Office of this Paper.

**RED CROSS MILITARY HOSPITAL,** Moss Side, Maghull, near Liverpool. —Dispenser (lady) required; must be fully qualified and able to assist in keeping medical records; a knowledge of Typewriting would be considered an advantage; salary 30s. per week and dinner. Applications, stating age, experience, etc., and with not more than three testimonials, to be sent in at once to the Medical Superintendent.

**SOUTHAMPTON.**—Randall & Son, Ltd., require (at once) a qualified Assistant, about 30 years of age; married preferred; four Assistants kept; only those desiring a permanency need apply.

**SOUTH COAST.**—Wanted by a firm of importance in a leading seaport, a qualified Assistant where several are kept; Minor qualification: 25 to 30 years of age; must have had high-class experience. "Pharmacia" (239/400), Office of this Paper.

**SOUTH OF ENGLAND.**—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

**STAMFORD.**—Wanted, as soon as possible, Assistant; qualified or not; must be good Dispenser, Counterman, and Prescriber. Apply, stating previous experience, height, salary required, and references, Dickinson, Stamford.

**A DISPENSER** for evening work. Apply, with full particulars, to Dr. Cohen, 100 Commercial Road, E.

**A SMART** Junior or Improver; Part-time preferred. Apply, with all particulars, photo, etc., and stating when at liberty, Holden, Pharmacist, Westwood, Oldham.

**A N** Assistant for good-class Country business; good salary and easy hours; no Sunday duty. Send full particulars to F. Fresson, Pharmacist, Stevenage, Herts.

**A SSISTANT,** Junior or other, in small but best-class Dispensing business; early hours; suburb of Liverpool; outdoors. Apply, 258 15, Office of this Paper.

**A SSISTANT,** competent, with good experience, for Dispensing and Light Retail; no Sunday duty. Apply, stating full particulars, to W. J. Green, Pharmacist, Trowbridge, Wilts.

**A SSISTANT** (either sex), unqualified but capable, for Retail, Dispensing, and Photographic business; outdoors. Usual full particulars, salary, and references to Thompson & Walton, 73 High Street, Maidenhead.

**A SSISTANT** wanted: whole day off one week and half-day (from 1 o'clock) off the next week, alternately. Please give particulars as to age, experience, references, salary required, when disengaged, etc., in first letter, to Bishop & Vincent, 460 Holloway Road, London, N.

**A SSISTANT** required in a high-class Dispensing and Retail business; hours 8.30 to 8 p.m., Saturdays 9.15; outdoors; Wednesday half-day; others kept. Full particulars and reference to F. G. Curtis, Ph. Chemist (from Allen & Hanburys), 94 Sandgate Road, Folkestone. Competent lady can apply.

**A SSISTANT** (unqualified) required in a good Dispensing and Retail business; hours 8.30 to 9 p.m.; duty divided between three; to live indoors with Manager. Please state full particulars as regards experience, age, height, salary, and enclose photo, to Procter, 5 Station Parade, Eastbourne.

**A SSISTANT** required, unqualified, for Retail Counter; ab-stainer preferred; married; age 25 to 35; permanency. Apply, "Retail" (244/14), Office of this Paper.

**A SSISTANT,** qualified, wanted at once; outdoors. Spink & Co., 27 Tottenham Court Road, W.

**BRANCH Manager** (qualified) required immediately; to one with enterprise, energy, and initiative good salary and commission; knowledge of Photography and good Window-dressing essential. Apply, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

**COMPETENT** qualified Dispenser (outdoors, staff of three) for first-class West-End Dispensing. Apply, by letter, enclosing photo and stating height, to "X. Y. Z." (258/11), Office of this Paper.

**EVENING** Assistant required in high-class Dispensing business; qualified; Wednesday 5-10 p.m., alternate Sundays 6-9 p.m. Gray, 194 Holland Park Avenue, W.

**IMMEDIATELY.**—Assistant of good address, unqualified, for three whole days a week, Mondays, Thursdays, and Saturdays, also alternate Sundays 11 to 1 and 6.30 to 8.30; duties light; personal interview preferred. E. Anstee Turner, 100 Fulham Road, South Kensington.

**JUNIOR** Assistant wanted for good-class Dispensing and Light Retail; outdoors; two kept. Apply, stating age, height, experience, and salary required, to Shelley Richards, Pharmacist, Weymouth.



**JUNIOR** Assistant (about 22), for good-class Dispensing and Retail business; must be quick and willing; two employed; hours easy; in- or out-doors. J. W. Feltwell, 91 Hammersmith Road, West Kensington, W.

**JUNIOR** Assistant or Improver. State age, experience, and salary required, R. Needham, Chemist, Stalybridge.

**JUNIOR**; outdoors; good-class Retail and Dispensing. Apply, with full particulars of experience and salary required, to J. Hooper, The Widmore Pharmacy, Bromley, Kent.

**JUNIOR** Assistant for Dispensing Department required immediately; short hours; state age, height, salary required. Apply, "T. C. M.," Drug Department, Junior Army and Navy Stores, 15 Regent Street, London, S.W.

**LADY** Photographer, with studio at large military camp, requires lady Partner to develop Chemist's Branch; prospect of substantial turnover. Address, "Camp" (259/21), Office of this Paper.

**MANAGER**, qualification not essential, for small Branch in healthy North London suburb; easy hours; convenient house with garden; excellent prospects to capable man; good references essential; also Part-time Assistant. Send full particulars in first letter, 259/27, Office of this Paper.

**NEW** Hospital for Women, Euston Road.—Wanted, qualified lady as Assistant Dispenser; salary £65 per annum, with dinner and tea when on duty; immediate appointment. Applications, with copies of three recent testimonials, to be sent to the Secretary on or before October 4. Imogen H. Murphy, Secretary.

**PART-TIME** Dispenser wanted; near to School of Pharmacy. Apply, stating terms, to Dr. Hindmarch, 150 Whitehall Road, Gateshead-on-Tyne.

**PART-TIME** Assistant; indoors; comfortable home; suitable for student; salary according to time given. 175 Uxbridge Road, London, W.

**QUALIFIED** Manager or Senior for busy Branch; three kept; outdoors; very desirable locality, South; permanent and progressive to ambitious man. Apply, fullest particulars, salary, "Progress" (258/26), Office of this Paper.

**QUALIFIED** Assistant for Dispensing; also one for Laboratory and to help in Dispensing when required. Apply to "A. J. B. C.," c/o Cooper, Son & Co., Ltd., 80 Gloucester Road, S.W.

**QUALIFIED** Locum required, to start October 7 to October 13. State salary and references; Light business. Apply, Thorp, Pharmacist, West Bognor.

**QUALIFIED** Junior Assistant required; Central London; outdoors; must be good Counterman, used to good-class business. Apply, "Benzoin" (261/9), Office of this Paper.

**QUALIFIED** Manager, abstainer, with Dental experience, to develop neglected Country business; permanency with good prospects; exceptional opportunity for reliable man; house attached, also garden. Apply, stating age, salary required, and references, to "Eastmed" (261/20), Office of this Paper.

**RELIABLE** qualified Chemist required for old-established, good-class Country business, and to assist with management; duties light; short hours; permanency; married, and good Extractor preferred. Please send full particulars as to age, salary, references, etc., also photo if convenient, to "Yorkshire" (258/6), Office of this Paper.

**SENIOR** Assistant, not under 27, with experience in high-class Dispensing and Photographic business. Apply, stating usual particulars and salary required, Read & Orchard, 47 Market Place, Salisbury.

**SMART** Assistant wanted; good wages. Apply, W. Fox & Sons, Ltd., 109-11-13 Bethnal Green Road.

**UNQUALIFIED** Assistant, ineligible for the Army, for good-class Light Retail and Dispensing; time for study if required. State usual particulars of experience and salary expected to G. Dauncey, 6 Nugent Terrace, St. John's Wood.

**UNQUALIFIED** Assistant of good experience wanted; capable man desiring permanency with progressive salary would be liberally dealt with. Hutton & Barrett, Ltd., Chemists, Leamington.

**UNQUALIFIED** Assistant wanted, with knowledge of Dispensing and Photography; good Counterman and Salesman essential. Apply, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

**UNQUALIFIED** Assistant; if married, live on premises; good lawn and garden; General Light Country trade and N.H.I.; permanency; half-holiday weekly; little Sunday work. Give full particulars, salary, etc., "Midlands" (258/27), Office of this Paper.

**UNQUALIFIED** Assistant wanted, about 25; Counter and Dispensing, good class. State salary and experience, Vince, Pharmacist, Lancaster.

**WANTED**, smart unqualified Senior, 35 to 40; permanency to smart man used to good-class business; good Window-dresser and Counterman. Full particulars first letter (short hours), Hicks & Co., Chemists, Cardiff.

**WANTED**, Chemist's Assistant, "for War Work," male or female, qualified preferred, for South Coast town; easy hours and no Sunday duties. Apply, giving full particulars, and salary expected, 257/17, Office of this Paper.

**WANTED**, for private practice in Walthamstow, Dispenser and Bookkeeper (male); one non-eligible preferred; permanent situation to suitable man; good salary given, and good references required. Applications to Dr. Skelley, 28 High Street, Walthamstow.

**WANTED**, Assistant, unqualified, gentleman or lady (with Counter experience), for a Light Retail and Dispensing business; short hours; Wednesday half-day. Apply, with photo if able, stating age, height, experience, and salary required, to J. W. Hoyle, Pharmacist, Southborough, Tunbridge Wells.

**WANTED**, temporary Assistant for few weeks in good-class Retail and Dispensing business. Scott, Pharmaceutical Chemist, Ilfracombe, Devon.

**WANTED** at once, Branch Manager; qualified; easy position; permanency with good prospects; no Sunday duty; weekly half-holiday; not long hours; elderly man not objected to; manufacturing district. State age, wages required, and usual particulars to the Secretary, Lowe, Ltd., 42 Dudley Road, Wolverhampton.

**WANTED**, a qualified and an unqualified Assistant for good Dispensing business. Apply, with full particulars as to experience, salary required, etc., A. Milne, Montpellier, Cheltenham.

**WANTED**, Dispenser, not of military age, for Country Practice in Wales; knowledge of Contract work and Welsh language desirable; duties light. Apply, 257/12, Office of this Paper.

**WANTED**, Junior for Counter and Dispensing; good opportunity for smart Assistant; also Junior required for Wholesale department. Write, giving full particulars, salary required, 259/39, Office of this Paper.

**WANTED**, North London suburb, lady Dispenser (Hull certificate), in high-class Dispensing business; previous Counter experience unnecessary. Apply, "Northern" (260/20), Office of this Paper.

**WANTED**, a qualified Assistant as Senior; outdoors; salary £4 per week; hours are from 9 a.m. to 9.15 p.m., except Saturdays to 10.30 p.m. and Wednesdays 8.30 a.m. to 1.15 p.m.; Sunday duty three hours every third week; in first letter particulars are required as to age, height, health, temperance, when disengaged, also duration and locality of previous engagements. Apply, D. P. Roberts, Chemist, 10 Campbell Road, West Croydon.

**WANTED**, a French-speaking Assistant with some Continental experience; must be neat and accurate Dispenser. Apply, Manager, Heppell & Co., 78 Strand, W.C. (Hotel Cecil Buildings).

**WANTED**, an Assistant for high-class Retail and Dispensing business; in- or out-doors; by middle of October. T. E. Savage, Broadway, Crouch End, N.

**WANTED** at once, qualified married Manager (indoors) for small Branch; good house, partly furnished; healthy locality, new residential district, middle class; Dispensing, Light Retail, and Photography. Full particulars of experience, photo, and salary required to F. H. Blissett, 10 Victoria Street, Clifton, Bristol.

**WANTED**, qualified Manager for S.W. district; must have good references. State age, salary, experience, etc., 259/38, Office of this Paper.

**WILLIAMS & ELVEY**, 8 West Halkin Street, Belgrave Square, require a qualified Assistant; outdoors; immediately or early in October.

## WHOLESALE.

**LONDON, N.W.**—Smart and experienced Pill hand wanted. Write full particulars of age, experience, and wage required to 256/38, Office of this Paper.

**L**ONDON, S.W.—Required, Correspondence, Clerk (male), used to dealing with large quantities of letters and dictating to typist. Write, "L. J. 1030," Sells' Advertising Offices, Fleet Street, E.C.

**A** VACANCY occurs in the South American Department of a South London Wholesale Druggists for a Clerk for Shipping and Invoice work: good opening for a man accustomed to similar work in Wholesale Druggists. Write full particulars, stating age and salary required, to 244 4, Office of this Paper.

**A**CTIVE Representative: good connection: introduce new Specialities Chemists, Stores, etc.: also Agents commanding Shipping connection. 244 15, Office of this Paper.

**A**N experienced man required for London Warehouse, to Manufacture and Pack Sundries: a knowledge of Essential Oils necessary. Write full particulars to "K." (256.35), Office of this Paper.

**A**SSISTANT wanted for Manufacturing Toilet Specialities: permanent position with good prospects: previous experience necessary. State age, salary, and all particulars in first letter, J. Knox Walker & Co., Ltd., 422 Kingsland Road, London.

**C**HEMIST'S Assistant, qualified, for Laboratory required by firm of Wholesale Chemists. State experience and salary required, 240 57, Office of this Paper.

**C**OUNTER hands wanted in London house, with experience of either Wets or Drys: good prospects to suitable men. Apply, stating age and full particulars of experience, to 256 35, Office of this Paper.

**D**RY Counterman wanted: comfortable permanency: mention age, experience, and all usual particulars. "B. U." (259 80), Office of this Paper.

**G**ENTLEMAN with good knowledge of the business required to assist in the direction of medical and lay campaigns for Proprietary articles of merit. Replies in strict confidence. should give experience in full detail, and state training, age, and salary required, E. T. Pearson & Co., Ltd., London Road, Mitcham.

**I**NVOICE Clerk wanted: knowledge of Drug trade necessary. Write fullest particulars, salary, and experience to Brook, Parker & Co., Ltd., Wholesale Druggists, Nelson Street, Bradford.

**L**ABORATORY Working Foreman, not necessarily qualified, wages £145 per annum, required by London Wholesale firm to work under chief Chemist: preference given to man with previous experience in similar position. State full particulars to "A. Z." (257 34), Office of this Paper.

**P**HARMACEUTICAL Chemist required in Wholesale Department of large high-class firm of Chemists in the Provinces: would be required for Testing Drugs and Laboratory Preparations, and for Experimental work. Mention age, salary desired, and customary information, "S. J." (259 8), Office of this Paper.

**R**EPRESENTATIVE for old-established Midland firm packing cheap Drug lines: must have knowledge of Drug trade: salary and commission. Give full particulars as to age, experience, whether married, and salary required, 259/7, Office of this Paper.

**R**ESearch Chemist wanted for Works manufacturing Fine Chemicals. Reply, stating qualifications, age, experience, and salary required, to "Research," Box 410, T. B. Browne's Advertising Offices, 163 Queen Victoria Street, E.C.

**T**ABLET and Pill Maker wanted: large North Country firm. Address, 244 2, Office of this Paper.

**W**ANTED at once, an active and reliable Assistant as Traveller, to call on small shops in local and country districts: married preferred: unqualified: comfortable berth to the right man. State experience and usual particulars in first letter, Dyson, Pharmacist, Ilkeston.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

**3s. 6d.** for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

**B**OMBAY.—Assistant required at once for an old-established English firm: salary first year Rupees 300 per mensem, second year Rs. 325, third year Rs. 350; second-class passage paid out. Apply, stating age and qualifications, to "X. H. A. G.," S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

**C**ALCUTTA.—Old-established British house in Calcutta require Junior Assistant, with Minor qualification: age under 27; single; passage paid out and home; four years' agreement; salary first year Rs. 275 monthly, rising yearly Rs. 25 per month. Apply, giving full particulars of qualifications, etc., to 236/4, Office of this Paper.

## SITUATIONS WANTED.

**1s.** for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

### [HOME.] RETAIL.

**A**S Assistant in good-class business; 23; qualified; six years' experience. Jenkins, Maudlam, Pyle, Glam.

**A**S Locum or good permanency; 15 years' experience, all branches, England, France, Canada; thoroughly competent; 29; married; successful Senior, Manager, and Locum; unqualified; excellent references: disengaged. Seddon, "Redcliffe," Jesmond Avenue, Wembley, Middlesex.

**A**S Locum few hours daily (5th to 12th). "Dispenser," 392 Kingsland Road.

**A**SSISTANT; 22; tall; good West-End experience; Counter and Dispensing, Photography: used to taking charge; City or N.E. London preferred. "H. F.," 93 Graham Road, Dalston.

**A**SSISTANT; 35; single; very good Dispenser, Salesman, Window-dressing. Nicholson, 71 Portland Terrace, Southampton.

**A**SSISTANT; 23; unqualified; Dispensing, Counter, Photographic, and Window-dressing; good references. Chapman, 30 Ormonde Road, Hythe, Kent.

**A**SSISTANT; tall; 45; experienced: country preferred. "Aspirin," 56 St. Mary's Terrace, Hastings.

**B**ELGIAN Pharmaceutical Chemist, 24 years' practice, used to English and foreign Pharmacy, wants occupation at once in England with Doctor or Chemist; speaks English, French, and Flemish. Address, A. Poene, Pharmacien, Pouzauges-Vendée, France.

**B**RANCH Manager or Senior: qualified: permanency; married; excellent references: West-End and suburban experience. 258/33, Office of this Paper.

**B**RANCH Manager or Locum; 45; qualified; experienced London and provinces. "Triamine" (261/1), Office of this Paper.

**B**RANCH (small); middle-age; at liberty. Address, Councillor Bulmer, Luddenfoot.

**D**ISENGAGED; permanency or temporary; experienced Manager; all grades; unregistered. "Chemicus," 12 Pentonville, Newport, Mon.

**D**ISPENSER or Counterman; disengaged; good references; married, no family. "Roy," 92 Bentham Terrace, Reigate.

**D**RUG Store Manager; well experienced all departments. "G.," 215 The Grove, Hammersmith.

**E**XPERIENCED Pharmacist desires permanent engagement as Manager or Senior in good-class business, end of October; outdoors. Apply, 260/19, Office of this Paper.

**G**OOD salary; smart man; 39; specialities: Window-dressing, Counter work, Dispensing; disengaged. Full particulars to "W.," 21 Acton Lane, Harlesden, N.W.

**L**ADY Dispenser, Hall qualification, desires post immediately; Doctor or Institution; West London preferred; good references. Miss Westbrook, 24 Lavington Road, West Ealing.

**L**ADY Assistant; married; thorough knowledge Counter and Stockkeeper; 8 years' experience; highest references. Mrs. Leppington, 73 Coleman Road, Camberwell, S.E.

**L**ADY Dispenser (Hall), experienced, requires post. Miss L., 3 Culross Street, Park Street, W.

**L**ADY (30), unqualified, used to putting up stock, 15 years in present and only situation, would work under Dispenser; 8 hours daily; City or North London preferred; good references. 260/7, Office of this Paper.

**L**EGE!—Temporary Manager or Locum (qualified); extensive all-round experience; highest references; Lines preferred. Address best offer, with full particulars, Wharton, Brook, Brigg.

**L**OCUM; disengaged October 3; references given. J. H. Denny, The Lodge, Brundall, Norwich.



**LOCUM**, permanent; Hampshire, South Coast preferred. Deri, 14 Cherville Street, Romsey, Hants.

**LOCUM**, qualified; age 37; good references; disengaged. Address, "R. T.," "Sharesbrook," Windermere Road, Coulsdon, Surrey.

**LOCUM** work undertaken. Hepworth, Horticultural Chemist. Loughborough.

**LOCUM** tenens; disengaged October 5; middle-aged; experienced; well recommended; unqualified; moderate terms. Address, "Locum Tenens" (261/13), Office of this Paper.

**MANAGER**; Pharmacist; tall, active; wide experience; excellent recommendations. Particulars, mentioning salary, "Reliable" (257/19), Office of this Paper.

**MANAGER**; 59; qualified; energetic man; steady habits; just finished five years' engagement. Address, "Pyro," 402 St. John Street, E.C.

**MANAGER** (qualified), disengaged, requires permanency; married. Preston, 36 Foregate, Worcester.

**MANAGERSHIP**; qualified; view succession; £1,000 ready; town, country. 259/20, Office of this Paper.

**PHARMACIST** of long experience, Country, West-End, and high-class Store experience, as Manager. "Willing," 4 Golders Manor Drive, Golders Green.

**PHARMACIST**, with over 20 years' Retail experience, desires responsible position; Wholesale or Retail; disengaged October 18; first-class references; good salary required. 259/36, Office of this Paper.

**QUALIFIED**; 50; experienced Dispenser and Counterman; references; disengaged 27th. "Advertiser," 3 Ranelagh Road, Pimlico, S.W.

**QUALIFIED**; 27; single; Manager or Senior Assistant; excellent experience. Davies, 272 High Road, Wood Green, N.

**QUALIFIED**; 30; married; no encumbrances; experienced West End, South Coast; disengaged beginning November; London preferred. "Chemists," c/o Evans, Chemist, Garnant, Carme.

**QUALIFIED** Dispenser (29), 11 years' experience, desires change; Bookkeeping and Dressings. 258/23, Office of this Paper.

**QUALIFIED**; experienced; Chemist, Hospital, etc.; Part-time or otherwise; London. "Free" (259/13), Office of this Paper.

**QUALIFIED** Chemist, long experience, would accept Branch. "Chemist," 2 Grafton Road, Plymouth.

**QUALIFIED**; 29; single; Manager or Senior; good references; Midlands preferred. "B.," 263 Humberstone Road, Leicester.

**QUALIFIED** (27), thoroughly competent, desires post as Manager or Assistant; Liverpool or Chester districts preferred. 259/35, Office of this Paper.

**QUALIFIED** Locum, Senior or Manager; 26. Jones, 52 Cambridge Street, Hyde Park.

**SHEFFIELD**.—Assistant desires situation; five years' apprenticeship. "Tragacanth," 47 Sharrow Street, Sheffield.

**SMART** Junior; 19; tall; abstainer; 4 years' experience, including London, in Dispensing, Photography, Optics; short hours; state salary (outdoors) first letter; London preferred. Parry, Cefncaed, Waenafawr, Carnarvonshire.

**UNQUALIFIED** Assistant requires situation; Dispensing and Counter experience. 258/9, Office of this Paper.

**UNQUALIFIED** (28), married, desires situation as Senior Assistant; exceptional experience; successful Salesman; thoroughly reliable; Dispensing, Photography, and Counter. 14 Mortlake Road, Sheffield.

**UNQUALIFIED**; 44; experienced Dispenser and Counterman; disengaged October 1; outdoors; permanency; married. 257/29, Office of this Paper.

**UNQUALIFIED**; 28; married; as Manager or Assistant; London. 258/39, Office of this Paper.

**UNQUALIFIED**; out of trade some years; war engagement; low salary commence. "G." (259/24), Office of this Paper.

**UNQUALIFIED**, though thoroughly competent, requires change in any part of England; present situation three years (Manager); age 25; 10 years' experience; tall; quick Dispenser; Prescriber and Extractor; please state hours and highest salary offered; all letters answered. "Hurry" (257/39), Office of this Paper.

**UNQUALIFIED** Relief; Thursdays from 2; N.W. district. "W.," 5 Gillingham Road, Cricklewood.

**UNQUALIFIED** Assistant; age 30; Wholesale, Retail, and Dispensing experience, N.H.I.; active; married. "Aspirin" (261/17), Office of this Paper.

**UNQUALIFIED**; disengaged; Locum or otherwise; age 46; London or provinces. "Hobart," 37 Upper Kennington Lane, London, S.E.

**YOUNG** lady as Chemist's Bookkeeper; Typewriting, etc. "D. F.," 41 Lismore Road, N.W.

**9** till 5; Hospital or Pharmacy; 42; Minor, Hall. 55 Elms Road, New Malden.

## WHOLESALE.

**ADVERTISER**; thoroughly experienced in Laboratory work, Emulsions, Specialities, etc.; good knowledge of Drugs; used to costing and supervising staff; North preferred. 258/37, Office of this Paper.

**ADVERTISER**, many years West-End experience, also Wholesale and Export, requires situation, Wholesale or Retail, London. "Hydrolson," 84 Wymering Mansions, Maida Vale, W.

**ADVERTISER** (37), married, 20 years with old-established London firm of Wholesale Chemists and Druggists as Buyer, with knowledge of Stockkeeping, Correspondence, and general office duties; highest testimonials. Box 37, c/o C. J. Walker's Advertising Offices, 24 Coleman Street, E.C.

**ADVERTISING** man, experienced in Manufacturing and Wholesale Publicity work, desires change; excellent departmental experience for the past 16 years. Apply, 257/23, Office of this Paper.

**BELGIAN** Pharmacist, experienced in all branches of the trade, desires active employment in Wholesale or as Representative calling on Doctors; speaks English perfectly. Herman, 17 Alfred Street, Bath.

**GOOD** all-round man (45) seeks situation; Wholesale; London; 10½ years' references; salary 35s. Apply, 257/10, Office of this Paper.

**SHORTHAND-TYPIST**.—Young lady desires re-engagement; 12 years' experience; 5 years' practical experience Drug and Chemical trade; well educated; possessed of initiative; able to control; speeds 120-70; 35s.-40s. "H." (258/25), Office of this Paper.

**TRAVELLER**, qualified Chemist, experienced, energetic, and successful, with excellent selling record and connection, requires engagement by good Drug or other house; intimate knowledge Drug and allied trades, and first-class references; disengaged. "Vivum" (261/14), Office of this Paper.

**WHOLESALE**.—Married man desires responsible position; nearly 7 years head of Dry Room in Wholesale house; 8 years' first-class Retail Dispensing experience; t-cotaller; first-class references. Apply, "Energetic" (258/2), Office of this Paper.

**YOUNG** lady; 21; accustomed to pack Chemists' own Proprietary, Perfumery, etc.; could act as Forewoman; 6 years in the City; excellent references. 256/30, Office of this Paper.

## SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

**1s.** for 12 words or less; **6d.** for every 10 words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

*This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.*

**YOUNG** Scotch Pharmacist desires Managership or other responsible position abroad, preferably Colonies; disengaged January. 244/1, Office of this Paper.

## Dose Tables for Students of Pharmacy.

NEW EDITION.

**A** TWENTY-EIGHT page booklet showing the adult doses in ordinary cases of the principal medicinal agents. The new Edition includes the doses in Imperial and Metric terms side by side; also contains Metric equivalents for Dispensing and a complete table of atomic weights, comprising the B.P. figures, and the International Committee's latest pronouncements (O=16 and H=1). The booklet measures 4½ in. by 2½ in., and can be carried in the vest pocket. To be obtained from "The Chemist and Druggist," 42 Cannon Street, London, E.C., for **FOUR PENNY STAMPS PER COPY**.

## MISCELLANEOUS.

**MCADAM & TUCKNISS**, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.

Shares for Sale (free of commission, subject).—100 Lever 6 per cent. Preference, 20s. 9d.; 100 Lanson Paragon Ordinary, 16s. 6d.; 24 W. Gossage Preference, 19s. 7½d.; 100 Boots Western 6 per cent. "A" Preference, 22s. 10½d.; 100 Applin & Barrett Preference, 18s. 3d.; 100 Boots Southern 6 per cent. "A" Preference, 22s. 10½d.

Wanted (subject).—100 J. Crossfield Preference, 20s. 6d.; 200 Lewis & Burrows Preference, 10s. 9d.; 250 A. J. White, 5s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

**SECOND-HAND SHOW-CASES AND SHOP-FITTINGS.**—5-ft. Piano Wall-case, £10 10s.; Perfume Case and Desk, Mirror back and Glass Shelves, 58s.; Marble-top Sponge-case, 75s.; 4-ft. Silent Salesman Case, 3 ft. high and 2 ft. wide, 2 Plate-glass Shelves, £7 10s.; 6-ft. Dispensing Screen and Counter, Mirror centre, £7 15s.; hundreds of other bargains. **PHILIP JOSEPHS & SONS, LTD.**, 95 Old Street, London, E.C.

**SECOND-HAND Chemists' Fittings.**—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

**CHEMIST'S BARGAIN.** Second-hand.—14-ft. Drugfitting; complete; 2 Wall-cases, Mahogany; Plate-glass Counter; Dispensing-screen and Counter, Counter Drawers divided for labels; 6-ft. Mahogany Bent Plate-glass Counter-case, Perfumery Case and Desk, Window Enclosure, the lot £59 10s.; cheapest house for Window Enclosures, Glass Shelves, modern Shop Fronts, Improvements, etc.; designs, estimates free. Mills, Shop Front, Shopfitting Glass Facia Works, 163-5 Old Street, London, E.C. 'Phone, 550 London Wall.

**BEST** cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. **S. E. Hackett**, 23 July Road, Liverpool, E.

## WAR WANTS EXCHANGE.

For the terms upon which announcements are inserted herein see last week's Supplement, p. liv.

### WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

**THE WAR WANTS EXCHANGE,**

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Adalin tablets (257/26 and 259/37)	Neosalvarsan (original packets) (260/24)
Agurin (243/39)	Orthoform, 1 oz. (260/29), and ½ oz. (260/33)
Alpinoids dental tablets (Bayer's) (257/31)	Salacetol (257/35)
Benzosalin (La Roche) tubes (259/37)	Salvarsan (original packets) (260/24)
Dermatol (243/39)	Sodium sozoiodol (257/35 and 259/37)
Duotol (243/39)	Stoehr's Kissingen salts (259/37)
Ichthyiform (257/35)	Tannalbin (243/39)
Lanoline toilet-soap (Dart-ring) (259/37)	Tannigen (243/39)
Magnesium perhydrol powder (Merck) (259/37)	Theinhardt's hygiama (259/37)

### FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid. salicylic. (Schering's), 2 × 14 lb. parcels (256/230)	Pil. emetin. hydrochlor., 100 x. gr., 1s. 3d. (enteric) (247/26)
Aspirin (Bayer), original 1 oz. (247/26)	Pyramidon powder (original), 1 oz. (247/26)
Cetarin (235/25)	Salophen (235/25)
Chloralamid (235/25)	Sodium salicyl., phys. pure, about 20 lb. (260/22)
Eupraphen (235/25)	Tannigen (235/25)
Lysidine (235/25)	Validol (235/25)
Phenacetin, B.P., 17 oz. (257/37)	

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

### FOR DISPOSAL.

#### APPARATUS.

HAND pill plant (3-grain); used once; adaptable for power; what offers? "A.," 6 Alwyne Square, Canonbury, N.

#### DENTAL.

DENTAL hypodermic needles, No. 17, 15s. per gross, in tubes of 6; sample tube 7d. Cave, Chemist, Southport.

#### DRUGS AND CHEMICALS.

POTASSIUM iodide and iodine resublimed; what offers? 261/16, Office of this Paper.

100 oz. quin. sulph., 1s. 10d. oz.; 4½ lb. quicksilver, 15s. the lot. 257/14, Office of this Paper.

6 barrels each 40 gallons crude carbolic acid, dark, 95-97 per cent., barrel lots 2s. 3d. per gallon; cash with order f.o.r. London. "Carbolic," 7 and 8 Idol Lane, London, E.C.

### MISCELLANEOUS.

SMALL assortment of hyoscyamus and belladonna seed from this year's plants; 3d. per packet each. Turner, Pharmacist, Willingham, Cambs.

TWO 1-gall. glass percolators (Y. G. Co.), £1 each; 18 doz. Ozonia, 5s. doz. W. Davidson, 416 Bury New Road, Higher Broughton, Manchester.

For disposal, copper steam-jacketed pan, about 40 gall. capacity; Carter's disintegrator, complete. Full particulars, 259/054, Office of this Paper.

MEDICAL battery, 2 dry cells, handles, sponge-carriers, 2 electrodes, 20s.; also Blick typewriter, as new, £5. "K.," 11 Clivedon Road, Highams Park, Essex.

10 gross Ester's wood 48 pill boxes, sample 2d.; 1 gross "Enclose" to any London wholesaler, 5s.; 3 full upper and 1 lower vulcanite dentures; in exchange for pot. iodide or santonine. Sykes, Plumstead.

### WANTED.

BOTTLES, 1-oz. white flint Mexicans or flats. Quantity, price, Bailly, Chemist, Margate.

RAPID Steel Co.'s shilling safety razors. State quantity and price, 257/22, Office of this Paper.

WANTED, weighing machine with baby cradle; good condition. Calvert, Chemist, Belper, Derbyshire.

ADEPS lane anhyd., B.J.D., small and large quantities. "P.," 72 Duke's Avenue, Muswell Hill, N.

YELLOW sulphide of arsenic, about 15 cwt. wanted as soon as possible. Address, 243/10, Office of this Paper.

OPTICAL goods; window-display material, small trial case, lenses, frames, etc. Apply, Evans, Chemist, Tumble, Carmar.

COLLAPSIBLE tubes wanted. Send sample and lowest price, cash, to Organic Medicine Co., 10 Park Lane, Leeds.

WANTED immediately, 1 ton phenic acid and 1 ton of lanoline. Name price and delivery to 257/28, Office of this Paper.

PARAFFINUM molle alb. and skin-cream jars wanted. State quantity and price, Organic Medicine Co., 10 Park Lane, Leeds.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

ENAMELLED iron jacketed steam pan, about 25 to 30 gall. capacity; small grinding machine or edge runner, with stone rolls. 259/340, Office of this Paper.

SECOND-HAND steam-jacketed vacuum pans, in good condition, for export, sizes from 10 to 50 galls. Full particulars, specifications, and prices, 243/38, Office of this Paper.

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